

Citrus College

2010-2011

Catalog



Create Your Citrus Story



On the front cover (*clockwise*):

Christian Ramirez

2010 Man of the Year
(pgs. 19 and 24)

Marissa Caringella

2010 Woman of the Year
(pgs. 19 and 24)

Sandra Schmid

Alumna and Air Force Veteran
(pg. 43)

Allen Tung

2010 All California, Academic Member
(pg. 30)



On the back cover (*counterclockwise*):

Christina Alcaraz

Honors student and 2010 Miss Azusa
(pg. 16)

Mohamad Trad

Alumnus and mathematics instructor
(pg. 192)

Donna Estevez

Alumna and Cal State Fullerton transfer
(pg. 105)

Jay Mubiala

Alumnus, former employee,
and UC Santa Barbara transfer
(pg. 109)

citrus college catalog



Citrus Community College District

1000 West Foothill Boulevard, Glendora, California 91741-1899 • www.citruscollege.edu
(626) 963-0323, (TDD) Telecommunication Device for the Deaf, (626) 914-8674 (available 24 hours)

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Notice to Students

The information contained in this catalog is advisory only and does not constitute a contractual agreement by the college or guarantee that course content will be strictly followed or fulfilled. Citrus College and the Citrus Community College District reserves the right to change at any time, without notice, academic requirements to graduate, curriculum course content and structure, and such other matters as may be within their control, notwithstanding any information set forth in this catalog.

All changes and revisions to the catalog that occur after printing will be posted in the online version of the catalog and accessed by visiting www.citruscollege.edu.

There is a \$3.00 charge for the Citrus College Catalog.

Citrus College publications are available in an alternate format upon request by persons with verifiable disabilities.

Citrus College is an Equal Opportunity Institution.

Superintendent/President's Message

Creating Your "Citrus Story"

On behalf of the board of trustees, faculty, and staff, I welcome you to Citrus College! If you are reading this catalog, you are probably a new student embarking on your college experience; a returning student embracing the opportunities that Citrus College provides; or a continuing student striving to accomplish the goals you have set. No matter where you are on your higher education path rest assured that Citrus College is the right place for you!

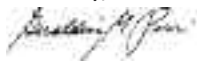
I am very pleased by the progress our institution continues to make as we fulfill our mission to deliver the high quality instruction and student support that will prepare students to succeed in our ever-changing, and often challenging, society. Earlier this year, we received a six-year reaffirmation of accreditation from the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges. This was wonderful news for Citrus College; it validated our effectiveness as an institution. This milestone would not have happened without the contributions of our highly qualified and dedicated faculty and staff who implement our outstanding academic programs and student support services.

Citrus College's mission, vision and values are centered on student success, and our students continue to impress us and make us proud! This year, because of their efforts and accomplishments, the college was recognized as one of the top 100 community colleges in the nation for degree and certificate completion; and ranked among the top 50 community colleges with the highest degree and certificate completion rate among Hispanic students. The Cosmetology Department was named to President Obama's Higher Education Community Service Honor Roll for their commitment to volunteerism. In addition, our students received local, state and national honors in the fields of science, journalism, theatre arts and academic achievement.

For 95 years, Citrus College has prepared thousands of students for productive and rewarding lives. Our graduates have established careers in a variety of professions and industries including business, education, law, health care, fine arts, and entertainment. This catalog also features some of our former students' recollections of how their experiences at Citrus College shaped their destinies. As you read their stories, I encourage you to envision what your Citrus Story will be.

Once again, welcome to Citrus College. We wish you a productive and successful year.

Sincerely,



Geraldine M. Perri, Ph.D.
Superintendent/President



Citrus Community College District Board of Trustees



Dr. Gary L. Woods
President
Azusa/Covina/Glendora/
Irwindale Representative



Dr. Patricia Rasmussen
Vice President
Glendora/Azusa/
San Dimas Representative



Mrs. Joanne Montgomery
Clerk/Secretary
Monrovia/Bradbury/
Duarte Representative



Dr. Edward C. Ortell
Member
Duarte/Arcadia/Azusa/
Monrovia Representative



Mrs. Susan M. Keith
Member
Claremont/Azusa/
La Verne/Pomona
Representative



Ms. Alejandra Delgado
Student Representative

The Citrus Community College District Board of Trustees establishes policies, approves current and long-range educational plans and programs, and promotes the orderly growth and development of the college.

Residents of the district communities—Azusa, Claremont, Duarte, Glendora and Monrovia—elect a representative to serve on the board for a four-year term. The student trustee is elected annually in a general student body election and serves on the board in a nonvoting capacity.

The Board of Trustees meets on the first and third Tuesdays of every month at 4:15 p.m. All meetings of the board are open to the public and meeting dates are announced in advance. A record of all board transactions is available to the public in the college library.

2010-2011 Academic Calendar

Please refer to the Schedule of Classes for registration deadlines

Fall Semester 2010

August 27-December 18

August 26	Welcome Day for New Students
August 27	Convocation
August 30	Instruction Begins
September 4 & 6	Labor Day Holiday
November 12 & 13	Veterans Day Holiday
November 25-27	Thanksgiving Holiday
December 13-18	Final Exams
December 20- January 2	Winter Break

August						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November						
S	M	T	W	Th	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

September						
S	M	T	W	Th	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Winter Intersession 2011

January 3-February 11

January 3	Instruction Begins
January 15 & 17	Dr. Martin Luther King Jr. Birthday Holiday
February 11	Instruction Ends

October						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

2011

Spring Semester 2011

February 22-June 18

February 18-21	Presidents' Day Holiday
February 22	Instructional Improvement Activities
February 23	Instruction Begins
April 18-23	Spring Break
May 28 & 30	Memorial Day Holiday
June 11-17	Final Exams
June 18	Commencement

January						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

April						
S	M	T	W	Th	F	S
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24	25	26	27	28	29	30

February						
S	M	T	W	Th	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

May						
S	M	T	W	Th	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

March						
S	M	T	W	Th	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June						
S	M	T	W	Th	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Who Are We?

History, Mission and Community

Overview and History

Citrus College is located in Glendora, California, near the foothills of the San Gabriel Mountains, and approximately 25 miles northeast of metropolitan Los Angeles. The college has the distinction of being the oldest community college in Los Angeles County and the fifth oldest in California.

This public community college serves more than 200,000 residents and the students of the Azusa, Claremont, Duarte, Glendora and Monrovia school districts.

Citrus College was founded in 1915 under the leadership of Dr. Floyd S. Hayden, who helped bring the community college movement to California. From 1915 to 1961, the college was operated by the Citrus Union High School District. In July 1961, the Citrus Community College District was created to include the Azusa and Glendora unified school districts. In 1967, the district expanded to include the Claremont, Duarte and Monrovia school districts.

Today, Citrus College occupies a 104-acre campus. The college is currently experiencing a major facilities expansion project that is changing the look of the campus and providing facilities that will enhance learning.

The college enrolled 27 students in 1915 and currently serves approximately 14,500 students.

Accreditation and Affiliations

Citrus College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of School and Colleges (WASC), 10 Commercial Boule-



Citrus students in 1915 with their new school bus.

vard, Suite 204, Novato, CA 94949, (415) 506-0234. ACCJC is an institutional accrediting body recognized by the Council for Higher Education and the U.S. Department of Education. Citrus College's professional memberships include the American Association of Community Colleges (AACC) and the Community College League of California (CCLC).

Mission Statement

Citrus College delivers high quality instruction that empowers students to compete globally and to contribute to the economic growth of today's society.

We are dedicated to fostering a diverse educational community and cultural learning environment that supports student success in pursuit of academic excellence, economic opportunity, and personal achievement.

Mission Objectives

Citrus College is a safe, friendly, accessible environment where all students and community members may optimize their academic,

career, and cultural development. As Citrus College continues to advance as a dynamic center for life-long learning, we will:

- provide general, lower division coursework leading to an associate degree in the arts or the sciences;
- prepare students to transfer to four-year colleges and universities;
- offer technological services and support for students, faculty, and staff;
- deliver programs to improve basic math, reading, communication, and ESL skills;
- grant opportunities for students to develop a global perspective through a curriculum with international and multicultural applications;
- furnish support services for the intellectual and personal development of all Citrus College students, including opportunities to participate in campus governance;
- foster a comprehensive and enriching program of extracurricular activities;

- conduct community education programs that encourage learning at every stage of life;
- award occupational certificates and degrees for career preparation and advancement;
- administer customized training programs for business and industry;
- increase career development support for students, faculty, and staff through career exploration, counseling, job preparation, job opportunities, and academic and classified staff development;
- collaborate with local high schools in articulation and curriculum development;
- advance cultural and personal enrichment programs for the college and community members, and promote inter-collegiate competition opportunities for students.

Vision Statement

Citrus College will provide excellent educational opportunities that are responsive to the needs of the community and help students meet economic, social, and environmental challenges to become active participants in shaping the world of the future.

Values

1. Student Focus

Meeting community and student needs by creating an educational environment and culture so students can attain a variety of goals.

2. Excellence

Maintain a high standard of integrity and performance leading to the achievement of academic and professional goals.

3. Collaboration

Seeking input from all sectors of the college and the community.



Associated Students of Citrus College Executive Board 2009-2010. Citrus College's student leaders are known for their advocacy in support of community colleges and educational access for Californians.

4. Diversity

Fostering a learning community in which the values, goals, and learning styles of all students are recognized and supported.

5. Life-Long Learning

Serving enthusiastic, independent thinkers and learners striving for personal growth.

6. Integrity

Behaving ethically in all interactions at all levels.

7. Technological Advancement

Keeping pace with global technology trends and enhancing traditional instruction with technology to prepare students for success in the work place.

Foundation and Alumni

The Citrus College Foundation is a 501(c) (3) nonprofit corporation founded in 1966 and revitalized in 1982. It is governed by a volunteer board of directors.

In 2009-2010, the Foundation awarded 264 scholarships and grants valued at over \$125,000. This assistance allowed Citrus College students to receive the instruction necessary to accomplish their goals.

The Citrus Alumni Association advances the general interest of Citrus alumni, promotes goodwill in the community, raises funds for scholarships, helps Citrus Union High School and Citrus College alumni plan reunions, and assists with special projects that benefit Citrus College. Every year, the college presents the Distinguished Alumni Award at Commencement.

Citrus College Directory

Office of the Superintendent/President

(All telephone numbers are area code 626)

Superintendent/President

Executive Assistant
Administrative Assistant

Dr. Geraldine M. Perri

Christine Link, 914-8821
Pam Sewell, 914-8821

Administrative Divisions

Administrative Services and Finance

Vice President

Administrative Assistant
Bond Program
Environmental Health & Safety Programs
Facilities and Construction
Fiscal Services
Golf Driving Range
Mailroom
Purchasing/Warehouse
Risk Management

Carol R. Horton

Judy Rojas, 914-8890
Robert Bradshaw, project manager, 857-4113
Jeff Eichler, supervisor, 914-8704
Michael Harrington, director, 914-8691
Rosalinda Buchwald, director, 914-8897
Lauri Stoner, supervisor, 914-8835
Dawn Dineley, coordinator, 857-4116
Robert Iverson, director, 914-8888
Eric Guzman, supervisor, 914-8889

Advancement, Foundation, External Relations

Executive Director, Development

& External Relations

Administrative Assistant
Communications
Protocol & Governmental Relations
Reprographics

Vacant

Jane Cole, 914-8825
Paula Green, director, 914-8873
Marilyn Grinsdale, officer, 914-8824
Thomas Reynolds, supervisor, 914-8740

Human Resources

Director

Administrative Assistant
Human Resources/Staff Diversity

Dr. Robert Sammis

Sandra Coon, 914-8552
Brenda Fink, manager, 914-8830

Institutional Research

Director

Administrative Secretary
Research Analyst

Dr. Lan Hao

Linda Swan, 914-8002
Sunny Liu, 852-8038

Technology and Computer Services

Chief Technology Officer

Administrative Secretary
Network Central Computing & Telecommunications
Systems
Technology Operations & Support Services

Linda Welz

Linda Miller, 914-8810
Leigh Buchwald, supervisor, 914-8810
Glenna Johnson, supervisor, 914-8812

Academic Affairs

(All telephone numbers are area code 626)

Vice President

Administrative Assistants

Administrative Secretary

Dr. Irene Malmgren

Jerry Capwell, 914- 8881

Mary Garcia, 914-8882

Kathleen Bueno, 914-8882

Business, Computer Sciences and Information Systems, Distance Education and Library

Accounting, Business, Computer Science and Information Systems, Office Technology and Computer Applications, and Real Estate

Dean

Administrative Secretary

Distance Education

Dr. Stephen Lindsey

Jaclyn Vazquez, 914-8807

Dr. Beverly VanCitters, faculty coordinator, 857-4124

Lari Kirby, supervisor, 914-8569

Library, Audio Visual and Library Technology

Administrative Secretary

Audiovisual Technician

Public Services Librarian/Bibliographic Instruction

Technical Services/Systems Librarian

Vacant, 914-8874

Tina Gutierrez, 914-8576

Vacant, 914-8642

Vacant, 857-4061

Career, Technical and Continuing Education

Architecture, Automotive, Motorcycle and Diesel Technology, Career/Technical Education Programs, Community Education, Contract Education, Cosmetology, Drafting, Electronics, Engineering and Information Technology, Heating & Air Conditioning, Medium & Heavy Truck Technology, Motorcycle and Personal Watercraft Technology, Noncredit Instruction, Public Works and Water Technology

Dean

Continuing Education

Administrative Secretary

Career Technical

Cosmetology

Administrative Secretary

Workforce Development Office

James Lancaster

Debbie Vanschoelandt, supervisor, 852-8022

Lois Bottari, 852-6402

Marti De Young, supervisor, 914-8702

Evalyn "Gus" Brooks, director, 914-8713

Nancy Estrada, 914-8714

Kim Holland, director, 914-8700

Fine and Performing Arts, Haugh Performing Arts Center

Fine Arts Department: Art, Digital Media, Photography

Performing Arts Department: Music (Commercial, Instrumental, Vocal), History, Theory, Dance, Theatre, Recording Arts and Haugh Performing Arts Center

Dean

Administrative Secretary

Fine and Performing Arts Programs

Haugh Performing Arts Center

Robert Slack

Autumn Leal, 914-8580

Ann Heming, supervisor, 914-8579

Greg Hinrichsen, director, 852-8047

Language Arts

College Preparation

Communications: Clarion (student newspaper), Logos (student magazine), Litrus (student creative writing website)

English, English as a Second Language, Foreign Languages: French, German, Japanese and Spanish

Learning Center: Assessment/Testing, Tutoring Center, Language Lab, Writing Center, Reading and Speech Communications

Dean

Administrative Secretary

Honors Program

Learning Center

Dr. Samuel Lee

Cathy Day, 914-8856

Brian Waddington, coordinator, 857-4039

Gerald Helm, supervisor, 857-4035

Mathematics and Health Sciences

College Success Program (Basic Skills), Learning Communities, Mathematics, Teacher Preparation, Dental Assisting, Emergency Medical, Licensed Vocational Nursing (LVN), Nurse Assistant (NA) and Registered Nursing (RN)

Dean

Administrative Secretary

James McClain

Cynthia Audelo, 914-8792

College Success Program (Basic Skills)

Administrative Secretary

Sylvia Smythe, director, 857-4172

Diana Gill, 914-8577

Health Sciences

Administrative Secretary

Dental Assisting

Health Occupations (EMT)

Nursing (ADN)

Nursing (LVN)

Dr. Maureen Renaghan, director

Cheryl Hall, 914-8791

Claudia Pohl, 914-8728

Dr. Cliff Hadsell, 914-8755

Dr. Maureen Renaghan, 914-8791

Gail Tucker, 914-8720

Physical Education and Athletics

Intercollegiate Athletics, Physical Education, Aquatics Center and Fitness Center

Dean

Administrative Secretary

Jody Wise

Isabel Bellman, 914-8650

Physical and Natural Sciences

Astronomy, Biology, Chemistry, Earth Science, Wildland Resources and Forestry, Natural History and Physics, Faculty and Staff Development

Dean

Administrative Secretary

Administrative Secretary

Eric Rabitoy

Chris Pagano, 914-8789

Judi Kemp, 914-8874

Social & Behavioral Sciences

Administration of Justice, Anthropology, Child Development/Orfalea Children's Center, Economics, Geography, History, Humanities, Philosophy, Political Science, Psychology, Sociology, Student Government, and Study Abroad Program

Dean

Administrative Secretary

Child Development Center

Study Abroad

Dr. Michael Hurtado

Gayle Allen, 914-8860

Dr. Mickie Allen, director, 914-8501

Lynn Jamison, specialist, 914-8560

Student Services Division

(All telephone numbers are area code 626)

Vice President

Administrative Assistant

Dr. Jeanne Hamilton

Pam McGuern, 914-8532

Admissions & Records

Admissions, Financial Aid, Registrar, Registration, Student Employment Center, Transcripts and Veterans Center

Dean

Administrative Secretary

Registrar

Financial Aid

Student Employment Services

Lois Papner

Jamie Richmond, 914-8519

Judith Heinrichs-Harmon, 914-8597

Lilia Medina, director, 914-8591

Tedd Goldstein, supervisor, 914-8596

Counseling Programs & Services

Articulation, Career/Transfer Center, Center for Teacher Excellence, Counseling/Advisement Center, EOP&S and CARE, CalWORKs, DSP&S and Matriculation (credit and noncredit)

Dean

Administrative Secretary

Articulation Officer

Athletics Counselor

Career/Technical Education Counselor

Career/Transfer Center

Center for Teacher Excellence

Counseling and Advisement Center

College Success Counselor

DSP&S

Early Alert Counselor

EOP&S/CARE, CalWORKs

Honors Counselor

Noncredit Counseling & Matriculation

Nursing Program Counselor

Nursing Program Counselor

STEM Counselor

STEM Counselor

Dr. Lucinda Over

Tonya Ryan, 914-8541

Michelle Plug, 914-8637

Alicia Longyear, 914-8662

Naomi Avila, 852-6404

Justina Rivadeneyra, coordinator, 914-8639

Rafael Herrera, coordinator, 857-4078

Claudia Castillo, faculty lead, 914-8537

Marilyn Eng 914-8533

Jennifer McLeod, coordinator, 914-8677

Robin McBurney, 914-8542

Sara Gonzales-Tapia, director, 914-8556

Stephanie Yee, 914-8638

Kristie Shimokawa, coordinator, 852-8021

Emily Burch, 914-8791

Cherlou Opulencia, 914-8791

Becky Iott, 852-6419

Albert Loaiza, 852-6419

Student Affairs

Athletic Eligibility, Bookstore, Campus Safety, Food Services, International Student Center, School Relations and Outreach, Student Business Office, Student Conduct, Student Life and Leadership Development, and Student Health Center

Dean of Students

Administrative Secretary

Bookstore

Campus Safety

Food Services

School Relations/Outreach

International Student Center

Student Life

Student Health Center

Martha McDonald

Teri Shamhart, 914-8601

Eric Magallon, supervisor, 914-8624

Anthony Giannone, supervisor, 914-8611

Philomena O'Shea, supervisor, 914-8615

Ivon McCraven, coordinator, 857-4162

Coe Lamoureux, supervisor, 914-8548

Adrienne Thompson, supervisor, 914-8603

Shauna Bigby, college nurse, 914-8671

How Do I Get Started? Admission, Registration, Matriculation

Admission

Citrus College is an open access institution, offering admission to high school graduates or persons who are at least 18 years of age and possess a high school diploma, GED, certificate of proficiency, or the equivalent. (Special provisions for high school students are addressed in this section.)

A person 18 years of age or older who has not received a high school diploma may be admitted to Citrus College to take general education courses or to enroll in specialized vocational programs. The student also may prepare for transfer to a four-year institution without a high school diploma. All non-high school graduates should request special counseling from the Counseling Department.

Citrus College may also admit highly gifted kindergarten through 12th grade students as a special part-time or full-time student upon the recommendation of his or her principal. Parental consent is also required. For more information, contact the Admissions Office at 626-914-8511.

Student Classification

A Citrus College student who has earned fewer than 30 units is classified as a freshman, and a student with more than 30 units is a sophomore. Other student classification categories are:

Full time:

Enrolled in 12 or more units

Part time:

Enrolled in fewer than 12 units

Three-quarter time:

Enrolled in 9 but fewer than 12 units

Half time:

Enrolled in 6 but fewer than 9 units

How to Apply

The process of applying to Citrus College begins when prospective students submit an application online through our website, at <https://wingspan.citruscollege.edu>. There is no charge to submit an application and one can be submitted at any time. Computers allowing access to the college website are also available in the Admissions and Records Office, as well as other areas on campus.

Once an application is completed and submitted, the new student will receive a "Welcome to Citrus College," e-mail or letter which will include a student User ID and Personal Identification (PIN) number. This will enable the student to register for classes, pay fees, and officially enroll at Citrus College.

Residency Requirements

As a public community college, Citrus College is required by law to verify each applicant's residence in accordance with Title 5, the California Education Code. Residence status, known as the residence determination date, is determined as of the day before each term begins and establishes the fees and tuition to be collected at the time of registration.

Residency Classification

Residency classifications shall be determined for each student at the time of registration and if a student has not attended for more than one semester. These classifications are resident, non-resident, or California nonresident tuition exemption (AB 540).

California Residents

California residents attend Citrus College tuition free and pay enrollment and incidental fees only.

A Citrus College applicant who has lived in California for less than two years must clearly demonstrate their:

- Intent to make California his/her home or residence
- Physical presence in California for at least one year and one day prior to the first day of school
- Financial independence

California Nonresident Tuition Exemption (AB 540)

Any student, other than a nonimmigrant alien, who meets all of the following requirements, shall be exempt from paying non-resident tuition.

- The student must have attended a high school (public or private) in California for three or more years.
- The student must have graduated from a California high school or attained the equivalent prior to the start of the term; for example, passing the GED, California High School Proficiency exam, or California High School Exit Exam.
- An alien student who is without lawful immigration status must file an affidavit with the college stating that he or she has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.

Students who are eligible for the AB 540 exemption must complete and submit the California Nonresident Tuition Exemption Request along with the appropriate evidence of high school completion.

Students who hold non-immigrant visas; for example, Tourist (B-1, B-2), Foreign Student (F-1), NAFTA (TN & TD) and Exchange

Student (J), etc. are not eligible for this exemption.

Students who enroll into classes pending notification of approval for the qualifying semester are responsible for the quoted tuition. Students, who are approved based on the submitted documents, will receive a refund on the nonresident tuition they have paid.

The burden of residency proof rests with the applicant.

For more information visit www.citruscollege.edu/ar

Nonresidents

Students who do not meet the California residence requirements will be charged nonresident tuition, plus enrollment and incidental fees. For more information, visit www.citruscollege.edu/ar.

International Student Admission

The Citrus College International Student Office admits international students holding or attempting to obtain an F-1 Student Visa upon approval of their applications. These students are required to pay international student tuition. The board of trustees determines the amount annually.

In order to qualify for admission, an international student must submit the following:

1. Citrus College application for admission
2. Completed international student application and fee
3. Confidential financial support documents
4. A passing score of the TOEFL examination: 450 (paper based), 133 (computer based), or 45 (Internet based)
5. Transcripts from high school and/or college
6. Tuberculosis (TB) test

The following items are required for current F-1 Visa students transferring to Citrus College:

1. Copy of I-20
2. Copy of 1-94
3. Transfer Form
4. Visa
5. Passport
6. College transcripts

The TOEFL, admissions application, and all supporting materials must be received on or before the published application deadlines for the intended semester. Students are required to take the Accuplacer ESL exam when they arrive at Citrus.

Early Decision Program

The Early Decision Program enables seniors from Azusa, Claremont, Duarte, Gladstone, Glendora and Monrovia high schools, who have submitted a Citrus College application, to visit the campus, take the assessment test and meet with a counselor during the second semester of their senior year.

Seniors who attend other high schools and who are interested in the Early Decision process are encouraged to call the Student Outreach Office at 626-857-4162.

Classes for High School Students

Citrus College offers selected programs and classes for high school students who are in the 11th and 12th grades. These students must be enrolled concurrently at their high schools and at Citrus College. They are required to complete and submit an application and a **High School Registration Authorization Form**. This form, which requires signatures from a parent and from a counselor or principal, is available online at www.citruscollege.edu/ar

Citrus College summer school classes for high school students are offered at Azusa, Claremont, Duarte and Monrovia high schools through the Noncredit Program. For more information, contact the counseling office at these respective high schools.

Distance Education (Online Classes)

Distance Education classes utilize computer technology to deliver instruction to students who may have schedule constraints, live at a distance, or have a physical disability. These classes have the same content and meet the same requirements as traditional classes, but provide a more flexible way for students to take courses. Many of these online classes require orientations and testing on campus; some classes require no campus attendance at all.

Students who do well in online courses are typically self-motivated, organized, and proactive about their education. Some knowledge of how to use a computer is helpful. In addition, online classes rely heavily on the exchange of information through reading and writing, so proficiency in these skills is important.

For a complete list of available classes, or for more information, visit the Distance Education web site at www.citruscollege.edu/de or call the Distance Education office at 626-914-8831.

Transcripts

Official high school transcripts are required of new students who attended high school within the last three years. Official college transcripts are required of new students who were previously enrolled in a college or university. Transcripts from all colleges attended are required.

To ensure a smooth registration process it is recommended that transcripts are received and are on file prior to a student's registration appointment. This may expedite clearance to enroll in courses with prerequisites. Transcripts are also required for financial aid and veteran's benefits consideration.

Transcripts from colleges accredited by one of the regional associations of the Accrediting Commission for Community and Junior Colleges may be evaluated during a student's first semester of attendance at Citrus College.

Transcripts from non-accredited colleges are sometimes evaluated for prerequisite and course placement. Military service credits based on a DD-214 are posted after a veteran's first semester of attendance.

Students who request their Citrus College transcript receive their first two transcripts free. Thereafter, the student will be charged \$3.00 per transcript.

Enrollment Verification

Citrus College has authorized the National Student Clearinghouse to act as its agent for verification of student enrollment status. An official Enrollment Verification Certificate may be obtained at <https://wingspan.citruscollege.edu>

This certificate may be presented to parties such as health insurance agencies, housing authorities, consumer-product companies, and banks when asked to provide official evidence of enrollment at Citrus College.

Registration

Registration is conducted prior to every semester and session. In addition to class selection, all fees must be paid during registration. Dates, deadlines, policies, and guidelines are listed in the class schedule published for a specific semester or session.

Class Schedules

Citrus College publishes a Schedule of Classes each semester and session. These class schedules list the intended credit course offerings and teaching assignments. All class schedules are available online. www.citruscollege.edu/schedule

Fee Based and Noncredit, Continuing Education schedules are published separately.

WingSpan

WingSpan is Citrus College's one stop resource for information and the primary method of registration. It provides online access for students to:

- Apply for admission
- Check application status
- View appointments for registration
- Check registration status
- Register for classes
- Add/drop classes
- Print individual student schedules
- Pay fees by credit or debit card

WingSpan features include access to grades and unofficial transcripts. Visit the college website <https://wingspan.citruscollege.edu> and download the student guidelines handbook for more information.

2010-2011 Fees and Expenses

The enrollment fee is set by the California State Legislature and is subject to change.

Enrollment Fee:	\$26 per unit
International Student Tuition*	\$220 per unit
Nonresident Tuition*	\$220 per unit

Campus Service Fees

Health Service Fee	\$17
BOGW Students	\$12
Parking Fee	
Fall & Spring	\$40
Winter & Summer	\$20
Student Service Fee	
Fall & Spring	\$14
Winter & Summer	\$9

*Nonresident and international students are required to pay tuition and enrollment fees for each unit.

A student may be charged an instructional materials fee for instructional or other materials required for specific classes. These materials may include but are not limited to, textbooks, tools, equipment and clothing.

Student Service Fee

The Student Service Fee is a voluntary fee that supports campus activities such as athletics, clubs, cultural events, campus improvements and other special programs and services that directly benefit students.

Students receive an ASCC sticker upon receipt of all payments. Stickers may be picked up with the parking permit in Admissions and Records or the Student Business Office. The accompanying flier lists the many benefits, services and discounts available to students who have paid the service fee and received a sticker. Because of the broad range of programs and services provided, all students are requested to pay the Student Service Fee.

Students may waive this fee by obtaining a waiver form from the Student Affairs Office, located in the Campus Center. Proof of registration is required. Students who waive the fee will become ineligible for the benefits associated with this fee, but not for any other student services.

Health Service Fee

The Health Services Fee is mandatory for both full-time and part-time students. The following students are exempt from payment of the fee:

- Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization. To receive an exemption, these students must present valid

documentation of his or her membership in such a religion to the office of the vice president of student services.

- Students who are attending Citrus College under an approved apprenticeship training program.

Fee Refund Policy

Parking, enrollment, non-resident tuition, health and/or student service fees shall be made to eligible students who file a refund request by the college's established deadlines. When refunding enrollment fees, the district shall retain \$10 once per term.

In the case of an active or reserve military service member who receives orders compelling them to withdraw from Citrus College, a full refund shall be made upon verification of his or her orders, unless academic credit is awarded.

It is the student's responsibility to return their parking permit before the refund deadline in order to receive a refund for this item. Failure to do so will change the amount of the refund. Parking permits must be returned upon official withdrawal from the college and if a student changes from an on campus schedule to a Distance Education schedule.

Cash refunds will not be issued. Credit will be immediately issued to credit card payments. However, the student and cardholder must be present, with the credit card and the credit card receipt, at the time of the refund request. Otherwise, a refund request form must be submitted. Fee payments made with cash, check or debit card will receive a refund by check. This check will be mailed to the address on file with the Admissions and Records Office. Therefore, it is important the address on file is correct and current.

Student Financial Obligations

All fees must be paid in a timely manner to avoid losing classes. Fee payment schedules are included in the class schedules and online.

Citrus College will withhold grades, transcripts, degrees, registration privileges, or any combination thereof, from any student or former student who has failed to pay any financial obligation due the college. Holds on a student's record will be released when the debt obligation has been met. Debts must be paid in the form of cash or money order; a bank service charge will be added to the amount due.

Cancelled Classes

Classes may be cancelled at the discretion of the college. Students enrolled in a cancelled class may enroll in other open classes.

Students who have a class or classes cancelled by the college because of low enrollment are eligible for a full refund of fees paid for those classes. The student must file a refund request at the Cashier's (Bursar's) Office. All applicable receipts, cards and permits must be attached to the request form.

Matriculation

What Is Matriculation?

The primary objective of matriculation is to ensure student success. It is designed to assist students in planning, selecting and achieving their educational goals. The matriculation process begins with admission and ends when the student achieves his or her educational goal.

The California Community Colleges Board of Governors defines matriculation as "a process that brings a college and a student who enrolls into an agreement for the purpose of realizing the student's

educational objective through the college's programs and services."

Components of Matriculation

The matriculation plan consists of several components that colleges are required to provide. They are:

- Admissions: a procedure for processing the application
- Orientation: an activity that informs students of their responsibilities; the programs and services offered by the college; academic expectations of the students; the college's policies and any other appropriate information
- Assessment: using multiple measures of place all non-exempt students into math, reading and English classes
- Counseling and Advisement: development of a Student Educational Plan (SEP) based on the student's educational goals
- Student Follow-up: early intervention such as the "Early Alert Program," follow-up with students on probation and with students who are undecided on a major/career goal
- Coordination and Training: faculty and staff training in matriculation and research on student outcomes
- Research and Evaluation: validation of assessment instruments, analysis of student outcomes, placement rules, and district resources in relation to student needs
- Prerequisites, co requisites and advisories: developing and monitoring the course requirements students need to progress and achieve their educational goals

Under the requirements of Title 5, the following services will be provided for all students who enroll in credit courses.

The college's responsibility is to:

- Process applications for admission
- Assess basic educational skills and career goals
- Orient students to the college's programs, services and policies
- Provide quality instruction
- Offer services for educational support
- Provide follow-up evaluation of a student's educational progress

The student's responsibility is to:

- Declare and update educational goals
- Attend classes
- Complete assignments and courses
- Meet with a counselor for advisement/evaluation
- Seek out support services as needed
- Maintain progress toward educational goals

Criteria for Exemption from Matriculation Activities

A student may be exempted from matriculation activities including orientation, assessment, counseling or advisement based on one or more of the following:

1. Completion of an associate degree or higher from a regionally accredited college;
2. Enrollment in coursework to advance in current job, or to pursue personal enrichment, or to maintain a certificate/license, AND enrollment in fewer than five (5) units;
3. Completion of the assessment/orientation components at another college with placement scores on file at Citrus College.

Refusal of Matriculation Services

Citrus College strongly believes in the value of its matriculation process. However, the college recognizes the right of students to refuse to participate in its assessment, orientation, counseling and advisement services. Please contact the Counseling and Advisement Center at 626-914-8530, for more information.



My Citrus Story— Christina Alcaraz

“Citrus College not only provided an excellent educational experience; its faculty and staff helped me develop the confidence to believe that with hard work and persistence anything is possible.”

Christina “Chrisy” Alcaraz completed the Citrus College Honors Program, served as a Student Ambassador and was a member of the Women’s Ensemble. She was crowned Miss Azusa 2010 and will attend Pepperdine University in the fall.

How Do I Adjust to Campus Life

Assessment, Orientation and Placement Ensure a Smooth Academic Transition

Assessment and Orientation

What is Assessment?

All new students who are not exempt from matriculation activities are required to participate in an assessment, orientation and advisement process. This process is designed to assist students in reaching their educational and career goals.

The assessment process at Citrus College provides information regarding language, reading and mathematics skills, and other activities necessary for a successful college experience. Student-reported information is also used, along with available high school and/or college transcripts. Other factors that are used in assessing college readiness may include evaluation of study skills, student goals and career aspirations, and the results of the placement exam.

Assessment information assists the counselor in outlining a useful and clear educational program for the student's long-range educational plans and the eventual attainment of a chosen career.

The assessment program includes:

- Assessment and new student orientation at Citrus College **or**
- Assessment at Citrus and an online orientation

This assessment program is an effort to provide students with the finest academic advisement and counseling possible. The assessment and orientation process is scheduled throughout each semester and during the summer. For more information, please



The annual Welcome Day event provides an opportunity for new students to become better acquainted with college life.

contact the Testing Center at (626) 857-4035.

Who Should Take the Placement Tests?

All new students enrolling in five or more units and planning to earn an associate degree, a certificate of achievement or a skill award must take an English and math skills assessment. In addition, new students who plan to enroll in English, mathematics or reading classes must participate in the skills assessment process.

Students who have a disability that requires testing accommodations are advised to make arrangements through the DSP&S Office, (626) 914-8675. Deaf Services are available 24 hours, (626) 914-8674 TDD.

Review of Placement

Students who feel their placement does not reflect their abilities may request a Review of Placement. Please contact the Counseling and Advisement Center for more information.

Students may appeal their English and/or math placement if they can demonstrate alternate proof of course equivalency or competency. If extenuating circumstances exist that may affect course placement, students may seek consultation in the appropriate division office. Students should be prepared to present documentation such as high school or college transcripts, or additional test results. After a student's information is reviewed, preparation placement may be adjusted or a retest may be recommended.

What is Orientation?

Required Orientation

• **Orientation** - Students who are new to Citrus College beginning summer 2010 are urged to complete the assessment and **MUST** complete orientation by October 31, 2010. All future registration will be withheld from students who have not completed orientation by the deadline. Students who believe they are exempt or those who want to read about procedures for challenging matriculation regulatory provisions can be referred to the matriculation section in the Citrus College catalog at: <http://www.citruscollege.edu/schedule/catalog/Pages/default.aspx>

Assessment/Orientation

- **Options** - Orientation can be satisfied in any of the following formats:
 - In-person orientation (recommended for new students)
 - Orientation following assessment
 - Assessment/Orientations held at high schools
 - Early Decision Day at Citrus College
- Online orientation at <http://orientation.citruscollege.edu>

Counseling/Advisement

All students are encouraged to meet with a counselor every semester to ensure their educational plan accurately reflects their educational goal.

The college counseling staff provides a variety of services including but not limited to, educational planning, career counseling, university transfer counseling, personal counseling (personal concerns and issues affecting students' academic progress), Dis-

abled Student Programs and Services (DSP&S), Extended Opportunity Program and Services (EOP&S), and financial assistance programs. The counselors assist in long-range planning and in checking specific requirements so that students meet graduation requirements and course prerequisites, secure career/technical certificates and licenses, and fulfill requirements for transfer to other colleges or universities.

New, non-exempt students are strongly encouraged to see a counselor. If meeting with a counselor is not an option, it is strongly recommended that the student take **COUN 156, College Planning**; or **COUN 159, On Course to Success**; or **COUN 160 Strategies for College Success** during their first semester at Citrus College.

Students on probation are **required** to attend a probation workshop or make a formal counseling appointment well in advance of registration.

Veterans planning to receive G.I. benefits are also **required** to make an appointment in the Veterans Center prior to seeing a counselor.

Students planning to transfer to a four-year college and those planning to graduate from Citrus College are strongly encouraged to see a counselor well in advance of registration.

It is important for all students to have a Student Educational Plan (SEP) while attending Citrus College. Counselors assist students in developing an educational plan that reflects their goals. As students progress, the plan can be changed as frequently as their

goals change. When these changes occur, the student should meet with a counselor to update his/her SEP.

Counseling Follow-up

Follow-up services are designed to evaluate and track the student's academic progress. Special services are provided to students on academic and/or progress probation, students in basic skills courses, and students who are undecided about their educational goal. Counselors also give referrals to appropriate programs and services, both on and off campus.

Prerequisites, Co Requisites and Recommendations

Citrus College students receive information about courses that require specific knowledge or skills needed to be successful in that course. This information is presented as a requisite statement under the title of the course. The definitions of these statements are:

- **Prerequisite** - A course that a student is required to complete in order to demonstrate current readiness for enrollment in a course or program. (Example: SPAN 101 must be completed before taking SPAN 102.)
- **Co Requisite** - A course that a student is required to take at the same time with another course. (Example: Students taking AUTO 109 must also take AUTO 112.)
- **Recommendation** - A skill or course that is strongly suggested before enrollment in a course, but is not required.

Verification of Prerequisites

Prior to registration, students are required to provide verification of how skill or course prerequisites have been satisfied prior to registration. Students unable to verify how a prerequisite has been satisfied will not be allowed to enroll

in those courses. Transcripts from other colleges may be used to verify course prerequisites. Skills prerequisites must be verified through the Citrus College assessment process or the assessment process from another college.

Challenging Prerequisites

Students may challenge a course prerequisite or corequisite if they meet one of the following conditions:

- 1) Demonstrated knowledge or the ability to succeed in the course without the prerequisite, or
- 2) The possibility of undue delay in attaining the goals established in an educational plan because the prerequisite or corequisite course has not been made reasonably available, or
- 3) Belief that the prerequisite is discriminatory or is being applied in a discriminatory manner, or
- 4) Belief that the prerequisite was established in violation of regulations and/or the established district-approved policy and procedures.

A Prerequisite Challenge Form can be obtained from the registrar in the Admissions & Records Office. The completed form must be presented to the registrar two weeks prior to the beginning of the semester in which it is to be considered.



Woman of the Year and Man of the Year

Marissa Caringella and Christian Ramirez are Citrus College's 2010 Woman of the Year and Man of the Year. These prestigious awards are granted to graduating students based on their contributions to Citrus College, their service to the community and their grade point averages.

Caringella will attend Cal Poly Pomona as an environmental biology major and plans a career as a conservation biologist and ecologist. Ramirez will attend UCLA and major in mathematics/economics with a minor in statistics. His career plans include working in the banking industry and becoming a college professor.

Información en Español

Nuestra Misión

Citrus College ofrece instrucción de alta calidad que capacita a los estudiantes para que puedan competir a nivel mundial y contribuir al crecimiento económico de la sociedad de hoy en día.

Estamos comprometidos a promover una comunidad educativa con diversidad y un ambiente cultural de aprendizaje que apoye el éxito estudiantil en su excelencia académica, oportunidades económicas y logros personales.

Nuestra Visión

Citrus College ofrecerá excelentes oportunidades educativas que respondan a su vez a las necesidades de la comunidad y que ayuden a los estudiantes a enfrentar los desafíos económicos, sociales, y del medio ambiente para que puedan como resultado participar de forma activa en el futuro del mundo.

Valores

1. Enfoque en los Estudiantes

Responder a las necesidades de la comunidad y de los estudiantes al crear un ambiente educativo y cultural para que los estudiantes puedan lograr una gran cantidad de metas.

2. Excelencia

Mantener un estándar muy alto de integridad y rendimiento que encamine a las metas profesionales y académicas.

3. Colaboración

Damos la bienvenida a comentarios de todos los sectores del colegio y de la comunidad.

4. Diversidad

Promovemos una comunidad de aprendizaje en la cual los valores, metas, y estilos de aprendizaje de todos los estudiantes se reconocen y se

apoyan.

5. Aprendizaje para toda la vida 'Life-Long Learning'

Asistiendo a las personas y estudiantes entusiasmados e independientes en su crecimiento personal.

6. Integridad

Nuestro comportamiento es ético en todos los niveles.

7. Avance Tecnológico

Estamos al tanto de las tendencias globales en la tecnología y reforzamos la enseñanza tradicional con tecnología para preparar a nuestros estudiantes para el éxito en los empleos.

Cómo solicitar

El proceso de solicitud para entrar a Citrus College empieza cuando el estudiante interesado entrega la solicitud de admisión en línea en nuestro sitio en Internet: <https://wingspan.citruscollege.edu>. No hay costo para someter una solicitud y se puede enviar en cualquier momento. Contamos con computadoras en la Oficina de Admisiones y Récor ds y en otras áreas del campus, que tienen acceso al sitio del colegio para así cumplir con este requisito.

Una vez que se completa y se someta la solicitud en línea, el estudiante nuevo recibirá un email o carta por correo de "Bienvenido a Citrus College" la cual incluye un número de identificación estudiantil (ID) y un Número de Identificación Personal (PIN). Estos datos le permitirán al estudiante inscribirse en las clases, pagar cuotas y de forma oficial inscribirse en Citrus College.

Residentes de California

Los residentes de California asisten a Citrus College sin cuotas adicionales de matriculación y sólo pagan cuotas de inscripción

por clases y otros costos.

Un estudiante de Citrus College que ha vivido en California por menos de dos años debe demostrar claramente:

- Su intención de hacer de California su residencia permanente
- Haber estado físicamente presente en California por lo menos un año y un día antes del primer día de clases.
- Que tiene independencia financiera

Exención para no Pagar la Cuota No-Residente de California (AB 540)

Cualquier estudiante, que no sea un inmigrante extranjero, que llene todos estos requisitos deberán ser exento y no pagar cuotas como no-residentes.

- El estudiante debe haber asistido a una escuela preparatoria (pública o privada) en California por tres años o más.
- El estudiante debió haberse graduado de una preparatoria de California o haber obtenido el equivalente antes de que comience el semestre; por ejemplo haber pasado satisfactoriamente la prueba GED, 'California High School Proficiency exam', o la prueba 'California High School Exit Exam'.
- Un estudiante inmigrante que se encuentra en el país sin estatus legal como inmigrante debe de llenar una declaración jurada y entregarla al colegio en la cual declara que él o ella ya ha llenado una solicitud para legalizar su estado migratorio, o que tiene la intención de llenar una solicitud una vez que él o ella sea elegible para hacer dicho trámite.

Los estudiantes que son elegibles para recibir la exen-

ción AB 540 para no pagar cuotas de matriculación deben completar y someter la petición 'California Non-resident Tuition Exemption Request' junto con la documentación que compruebe que terminaron la preparatoria.

Los estudiantes que tienen visas de no-inmigrantes; por ejemplo de Turista (B-1, B-2), Estudiante Extranjero (F-1), NAFTA (TN & TD) o Estudiante de Intercambio (J), etc. no son elegibles para recibir esta exención.

Los estudiantes que están inscritos en clases y que está pendiente que sean notificados si fueron aprobados o no para calificar para el semestre en turno son responsables de las cuotas indicadas. Los estudiantes que son aprobados en base a la documentación que entreguen serán reembolsados las cuotas que hayan pagado como no-residentes.

Comprobar la residencia resta en el solicitante.

Para más información, favor de visitar www.citruscollege.edu/ar

No Residentes

Los estudiantes que no llenen los requisitos de residencia de California tendrán que pagar cuotas de matriculación como no-residentes, además de las cuotas de inscripción y de otros costos adicionales. Para más información, favor de visitar www.citruscollege.edu/ar.

Cuotas y Costos de 2010-2011

Las cuotas de inscripción de California son fijadas por la Legislatura Estatal de California y están sujetas a cambios.

Cuota de Inscripción:	\$26
	por unidad
Cuota de Matriculación para Estudiantes Internacionales*	\$220
	por unidad
Cuota de Matriculación para No-Residentes*	\$220
	por unidad

Cuotas de Servicios del Campus

Cuotas de Servicios de Salud	\$17
Estudiantes BOGW	\$12

Cuotas de Estacionamiento

Otoño & Primavera	\$40
Invierno & Verano	\$20

Cuota de Servicios Estudiantiles

Otoño & Primavera	\$14
Invierno & Verano	\$9

*Los estudiantes no-residentes y estudiantes internacionales están requeridos a pagar cuotas de matriculación y cuotas de inscripción por cada unidad.

Adicionalmente, se le puede cobrar cargos adicionales por material de instrucción o por otros materiales para algunas clases. Estos materiales incluyen, pero no se limitan a libros, herramientas, equipo y vestimenta.

Ayuda Financiera

La Oficina de Ayuda Financiera es responsable de iniciar, monitorear, y entregar los fondos federales y estatales. Estos programas se ofrecen a los estudiantes en forma de subsidios, becas, empleo y préstamos.

Los programas de ayuda financiera federal y estatal están diseñados para asistir a los estudiantes de Citrus College, especialmente a aquellos de familias de bajos y medianos ingresos. La intención de estos programas es ayudar a los estudiantes a que puedan obtener una educación superior y a aquellos que aún no han obtenido un título universitario.

Los estudiantes deben solicitar la ayuda financiera tan pronto sea posible después del 1 de enero y antes del 2 de marzo de cada año. No lo deje para después. Muchos estudiantes subestiman el tiempo que les tomará el prepararse para asistir al colegio. Es importante que tanto el estudiante como la Oficina de Ayuda Financiera cuenten con tiempo suficiente para preparar y procesar las solicitudes que reciben.

Para solicitar ayuda financiera, todos los siguientes requisitos deben ser cumplidos:

1. Ciudadanía: Los solicitantes de Ayuda Financiera deben ser ciudadanos Estadounidenses, Ciudadanos Naturalizados, o un no-ciudadano.
 - a. Los no-ciudadanos elegibles incluyen: residentes permanentes de Estados Unidos portadores de tarjetas I-551; Residentes Permanentes Condicionales con tarjeta I-551; Solicitantes con un Récord de Entrada-Partida, (I-94) con una de las siguientes designaciones: "Refugiado," "Asilo Otorgado," "Libertad Condicional" o "Procedente de Haití-Cuba".
 - b. Un estudiante que está en Estados Unidos con una visa de estudiante F1 ó F2, o en visita de estudiante de intercambio J1 ó J2, o una visa de serie G, no son elegibles para recibir Ayuda Financiera Federal, pero puede que sean elegibles para recibir ayuda estatal o de instituciones.
2. Los estudiantes deben contar con un número de seguro social válido.
3. Los hombres nacidos después de la siguiente fecha, 12/31/1959 deben registrarse con el Servicio Selectivo. Llame al 1-847-688-6888 o vaya a la página: www.sss.gov para las

- guías de registro o para verificar el registro.
4. Contar con un diploma de preparatoria, GED, o se requiere haber de forma satisfactoria completado la prueba denominada 'Ability To Benefit (ATB)'.
 5. Los solicitantes de ayuda financiera deben estar inscritos en clases como estudiantes de bajo nivel (undergraduate) y en un programa para obtener un certificado, título o transferencia a la universidad.
 6. Los estudiantes no deben tener deudas con ninguna institución por dinero recibido; ni tampoco estar atrasados en pagos con el programa Stafford o con los préstamos Perkins.
 7. Mantener un Progreso Académico Satisfactorio (SAP) tal y como lo define la Oficina de Ayuda Financiera.
 8. Demostrar necesidad de ayuda financiera, esto lo determina la Oficina de Ayuda Financiera basándose en el costo de asistencia al colegio (COA) menos la Contribución Esperada de la Familia (EFC), tal y como lo define la metodología federal.

Para Estudiantes que Cumplen con Todos los Requisitos

Los estudiantes que llenan todos los requisitos descritos arriba, deben completar la Solicitud Gratuita de Ayuda Federal Estudiantil (FAFSA). Llena esta solicitud en línea en www.fafsa.ed.gov. El Código de Escuela de Citrus College es 001166. Es importante que soliciten a tiempo y temprano en el año. Las solicitudes se aceptan desde el 1 de enero.

Una vez que el estudiante haya completado de forma satisfactoria el FAFSA, por favor haga un

seguimiento con la Oficina de Ayuda Financiera para revisar el estatus de su solicitud.

La Oficina de Ayuda Financiera le puede solicitar algunos o todos los siguientes puntos:

- Las declaraciones de impuestos del estudiantes/ o de los padres junto con los comprobantes W-2
- Comprobantes de ingreso libre de impuesto
- Tarjeta(s) de Seguro Social
- Otra información relacionada con ingreso financiero

Para determinar la elegibilidad financiera, se toman en cuenta ciertos factores, tales como:

- Ingresos Libres de Impuestos y Sujetos a Impuestos
- Inversión(es)
- Impuestos Pagados
- Número de personas en el hogar
- Número de familiares en el colegio

Cómo Solicitar Ayuda Financiera/Llenar una FAFSA

Un estudiante puede solicitar ayuda financiera en el Internet. Ir a www.fafsa.ed.gov. Se requiere un Número de Identificación Personal tanto para el estudiante como para el padre del estudiante dependiente. Favor de visitar www.pin.ed.gov para solicitar un número de PIN.

El personal de la Oficina de Ayuda Financiera está disponible para reunirse con estudiantes y asistirlos a llenar la solicitud FAFSA en línea tanto en inglés como en español. La Oficina de Ayuda Financiera tiene computadoras que están disponibles para los estudiantes.

Asesoría y Orientación ¿Qué es Asesoría?

Todos los estudiantes nuevos que no son exentos a las actividades de matriculación se les requiere

que participen en una asesoría, orientación y proceso de consejería. Este proceso está diseñado para asistir a los estudiantes a alcanzar sus metas educativas y de carreras.

El proceso de asesoría en Citrus College ofrece información sobre idiomas, lectura, matemáticas y otras actividades necesarias para tener una experiencia exitosa en el colegio. También se hace uso de la información reportada por los estudiantes, y sus récords de la preparatoria o de otros colegios. Otros factores que se usan para determinar que tan preparado/a está el estudiante puede incluir la evaluación de habilidades de estudio, las metas de los estudiantes y sus aspiraciones de carrera, así como los resultados de la prueba de colocación.

La información de la asesoría le asiste al consejero a preparar un programa educativo de largo plazo basado en los planes educativos del estudiante para que pueda lograr estudiar una carrera.

El programa de asesoría incluye:

- Asesoría y orientación para nuevos estudiantes en Citrus College o
- Asesoría en Citrus y una orientación en Internet.

Este programa de asesoría es parte de un esfuerzo para ofrecerles a los estudiantes los mejores posibles tipos de asesoría y consejería. El proceso de asesoría y de orientación se lleva a cabo durante cada semestre y durante el verano. Para mayor información, favor de comunicarse con el Centro de Pruebas al (626) 857-4035.

¿Quién Debe Tomar la Prueba de Colocación?

Todos los estudiantes nuevos que estén inscritos en cinco o más

unidades y que planean obtener una título de asociado, un certificado de constancia o un comprobante de entrenamiento específico deben tomar la prueba de evaluación de inglés y matemáticas. Adicionalmente, los estudiantes nuevos que planean inscribirse en inglés, matemáticas o clases de lectura deben participar en el proceso de asesoría de habilidades.

Se recomienda a los estudiantes que tienen una discapacidad que requiere de arreglos especiales, comunicarse con la oficina DSP&S al (626) 914-8675 para solicitar dichos arreglos. Servicios para sordomudos están disponibles las 24 horas (626) 914-8674 TDD.

¿Qué es Orientación? Orientación Requerida

- Orientación – Se les pide a los estudiantes que son nuevos a Citrus College a partir del verano 2010 completar la asesoría y DEBEN completar la orientación a más tardar el 31 de Octubre del 2010. No se le permitirá a los estudiantes participar en futuras inscripciones si no han completado su orientación para la fecha límite. Los estudiantes que creen estar exentos de estos requisitos o aquellos que quieran leer sobre los procedimientos para desafiar las reglas de las provisiones de matriculación pueden recurrir a la sección sobre matriculación que se encuentra en el catálogo de clases de Citrus College en:

<http://www.citruscollege.edu/schedule/catalog>

Asesoría /Orientación

- Opciones – Se puede cumplir con el requisito de la orientación en las siguientes maneras:
 - Orientación en persona (recomendada para estudi

antes nuevos)

- Orientación después de la asesoría
- Asesoría/Orientaciones que se realizan en la preparatoria
- Día de Decisión Temprana en Citrus College
- Orientación en línea

<http://orientation.citruscollege.edu>

EOP&S/CARE

Programa de Oportunidades Extendidas & Servicios/Cooperativa de Agencias y Recursos para la Educación (EOP&S) ayuda a los estudiantes de colegios comunitarios que provienen de familias en desventaja económica y educativa a alcanzar sus metas académicas y de carrera. Los servicios de apoyo consisten en información y asistencia para el proceso de admisión, inscripciones, ayuda financiera, asesoría y en seleccionar una carrera o área de especialización.

EOP&S también ofrece:

- Servicios de apoyo tales como prioridad en la inscripción, asistencia en la compra de libros, facilidad de tomar la prueba de carreras sin tener que pagar una cuota, tutoría, y talleres para el desarrollo personal.
- Enlace comunitario con preparatorias, organizaciones comunitarias y agencias.
- Consejería para estudiantes diseñada a la retención de los estudiantes a través del uso de estudiantes tutores que son ejemplos positivos.
- Consejeros y asesores educativos que ofrecen consejería académica y personal.
- Referencias a otros servicios disponibles en el campus o en la comunidad.
- Un programa de seis semanas en el verano, 'Summer Bridge

programa" en donde los futuros estudiantes de las preparatorias locales asisten a clases, aprenden estrategias del colegio y participan en paseos guiados.

El Programa CARE, establecido por la Legislatura de California (AB 3103), asiste a los estudiantes EOP&S que son padres solteros con por lo menos un hijo menor de 14 años y que se en

cuentran recibiendo asistencia pública.

A través de CARE, los estudiantes reciben servicios de apoyo educativos adicionales, tal como consejería, asesoría, y oportunidades de participar en actividades diseñadas para padres solteros de bajos recursos.

Adicionalmente, CARE ofrece becas y gastos para el cuidado infantil, transportación, compra de libros, y materiales para asegurar la retención de éstos estudiantes, ayudarles a que sean persistentes en sus metas, y que logren transferirse a una universidad o lograr sus metas académicas ya sea al obtener un certificado vocacional, de constancia, o una licencia, título profesional o transferirse a una universidad de cuatro años de estudio.

Educación Continua y Educación No-Crédito

Educación Continua de Citrus College ofrece oportunidades de desarrollo personal y profesional para toda la vida. Ofrecemos cursos para reforzar las habilidades profesionales o para que las personas aprendan una nueva actividad que puedan disfrutar en su tiempo libre. Las clases de educación continua ofrecen oportunidades para un aprendizaje que enriquece la vida de las personas y mejora la calidad de vida dentro

de nuestras comunidades.

Educación de no crédito está diseñada para suplementar el crecimiento del estudiante en su desarrollo de habilidades de empleo en clases que incluyen habilidades básicas, desarrollo de carreras, salud y ejercicio, preparación vocacional y capacitación para empleos. La inscripción en clases de no crédito es gratis y está abierta durante todo el año. Todas las clases de no crédito están sujetas a presupuesto y asistencia.

Los estudiantes potenciales que no se han decidido sobre el colegio, pueden empezar o continuar la experiencia del colegio con una clase/s de no-crédito. Servicios de consejería están disponibles.

Instrucción a base de computadoras está disponible para estudiantes que desean reforzar sus matemáticas básica, lectura o escritura. La educación no crédito también ofrece clases de Inglés como Segundo Idioma (ESL) dentro de un salón tradicional de clases para estudiantes con dominio limitado del inglés.

Visite el departamento de Educación Continua para mayor información.

Lista de personal que habla español:

Admisiones y los Registros

Julie Miranda
(626) 914-8510

Carrera y la Transferencia Centrales

Raul Sanchez
(626) 857-4064

Consejería Académica

Claudia Castillo
(626) 914-8537

Laura Villegas
(626) 857-4093



La Mujer del año y El Hombre del año

Marissa Caringella y Christian Ramírez son los ganadores del Premio Mujer del Año y Premio Hombre del Año de Citrus College 2010. Estos prestigiosos premios se otorgan a estudiantes según sus contribuciones a Citrus College, su servicio hacia la comunidad y su promedio de calificación.

Caringella asistirá a Cal Poly Pomona para cursar la carrera de biología ambiental y planea tener una carrera como bióloga y ecologista. Ramírez asistirá UCLA y se especializará en matemáticas/ economía con otra especialización en estadísticas. Entre sus planes a futuro se encuentra trabajar en la industria de la banca o ser profesor de colegio.

Ayuda Financiera

(626) 914-8592
Diana Chavez

Académica para No Crédito y Matriculación

(626) 852-8023
Linda Ruiz
Lorena Velazquez

Programas Educativos de Oportunidades y Servicios (EOP&S)

Joanne Hinojosa
(626) 914-8558

Sylvia Pinedo
(626) 914-8555

Servicios Fiscales

Rosalinda Buchwald
(626) 914-8897

What are the Rules?

Academic Policies and Requirements, Attendance and Enrollment

Attendance Policy

Students are expected to attend all of the classes in which they are enrolled. Meetings include regularly scheduled course sessions and other required activities such as labs, field trips, athletic meets, and performances. It is the instructor's responsibility to notify the students of all such required activities early enough in the semester to enable students to attend all meetings.

Absences

It is the student's responsibility to speak to the instructor regarding their absence and arrange to make up the coursework missed. Instructors may allow make up work for excused absences for reasons that include:

- Illness, bereavement, personal emergency or medical appointment
- College-approved field trips, performances, or intercollegiate events

Instructor Drop

An instructor may drop a student who has missed three class meetings in a regular semester class that meets two or more times a week or who has missed two class meetings in a class that meets once a week. Instructors teaching classes that meet less than a full semester (summer, winter, short term) may allow fewer absences.

If a student fails to attend the first class meeting of a term without prior permission from the instructor, the instructor may give that student's place to a waiting student who was unable to enroll during registration.

Auditing Courses

Auditing classes is not permitted.

Withdrawal from the College

Any student who withdraws from Citrus College at any time after registration must be formally withdrawn. Official withdrawal forms are available from the Attendance and Records Office.

- Students in good standing will be honorably withdrawn upon application.
- Students who stop attending class without a formal withdrawal risk receiving failing grades.
- Students who withdraw from the college may lose their "continuous enrollment" status for graduation purposes and be subject to any new graduation requirements when they re-enroll.

All books and equipment belonging to Citrus College must be returned or paid for before an honorable withdrawal is granted.

Credits, Grades and Academic Status

All credit courses listed in the description of courses section have been reviewed by the Citrus College Curriculum Committee and approved by the Board of Trustees in accordance with California Education Code requirements.

Units

A unit is the amount of college credit earned by satisfactory completion of a course taken for one semester. A unit of credit may be earned by:

- One hour per week of lecture or recitation
- Three hours in a laboratory or

other exercises not requiring outside preparation.

Freshman: A student with fewer than 30 units.

Sophomore: A student with 30 or more units.

Grades

Grade reports will be available online, at the close of each semester and session, through <https://wingspan.citruscollege.edu> Contact the Admissions and Records Office for more information.

Academic Record Symbols and Grade Points Evaluative Grades

Evaluative grades are assigned grade point values, which are used in calculating a student's GPA. An instructor's determination of a student's grade is final if no evidence of mistakes, fraud, bad faith or incompetence has been determined.

Symbol Definition Grade Point

A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Less than satisfactory	1
F	Failing	0
FW	Failing/Withdrawal Indicates that a student ceased participating in a course after the drop date without achieving a final passing grade.	0
P	Passing At least satisfactory, units awarded, not counted in grade point average	
NP	No Pass Less than satisfactory, or failing, units not counted in grade point average	

Minimum Grade Requirements

A *C* or better is required in courses that are prerequisites to another courses. Other instances in which a *C* or better is required include courses taken to:

- Satisfy competency for degree or transfer
- Fulfill major requirements for the associate degree or transfer
- Complete requirements for a vocational certificate of achievement
- Meet statutory regulations (usually part of a transfer pattern)
- Complete courses within IGETC (Intersegmental General Education Transfer Curriculum) categories

A *D* is the minimum acceptable grade in electives and other limited categories of coursework.

Non-Evaluative Grades

Non-evaluative grades are not assigned a grade point value and therefore are not used in calculating GPA. Credits are not issued when the following non-evaluative grades are assigned.

Incomplete: *I*

Incomplete academic work for unforeseeable, emergency and justifiable reasons may result in the *I* symbol being entered in a student's record at the end of the term. The condition for removal of the *I*, and the grade to be assigned at the time of its removal, is stated by the instructor in a written record. An *I* will not be used in calculating units or grade points.

A copy of this record is given to the student and the original is filed in the Admissions and Records Office until the incomplete is made up or the time limit has passed. A final grade is assigned when the required work has been completed and evalu-

ated, or when the time limit for completing the work has passed. An incomplete grade may be made up within one year following the end of the term in which it was assigned. Before the one-year time limit has passed, the student may petition for one extension due to unusual circumstances.

Withdrawal: *W*

W denotes withdrawal from a class or classes when a student withdraws at mid-semester or mid-session. A notation is not made on the academic record of a student who withdraws earlier. Contact the Admissions and Records Office for deadline dates.

Although *W* is not used in calculating grade point average, excessive withdrawals are used as factors in calculating academic standing and may result in a student being placed on progress probation or dismissal.

Withdrawal from a class or classes due to extenuating circumstances--verified cases of accident, illness or other circumstances beyond the control of the student--may be authorized after the withdrawal deadline upon petition by the student.

Military Withdrawal: *MW*

MW is assigned for students who are active or reserve members of the military, who receive orders that compel a withdrawal from courses. Upon verification of such orders, *MW* will be assigned at any time after the period during which no notation is made for withdrawals. A Military Withdrawal shall not be counted in progress probation and dismissal calculations.

In Progress: *IP*

IP is used only in those courses that extend beyond the normal end of an academic term. It indi-

cates that work is "in progress," and that a grade will be assigned upon completion of the work. When the appropriate evaluative grade and unit credit is assigned, it will appear on the student's record for the term in which the required work of the course is completed.

Report Delayed: *RD*

RD is assigned by the registrar when there is a delay in reporting the grade of a student, due to circumstances beyond the control of the student. It is a temporary notation and is replaced by a permanent symbol as soon as possible.

Evaluating Academic Progress President's List

To be eligible for the President's List, a student must have a 3.8 GPA in at least 6 units completed in the semester they are being recognized, and a minimum 24 units completed at Citrus College. Non-degree applicable courses are not included.

Dean's List

Dean's List students must have a 3.5 GPA in at least 6 units completed in the semester they are being recognized, and a minimum of 24 units completed at Citrus College. Non-degree applicable courses are not included.

Notice of Satisfactory/Unsatisfactory Work

It is the instructor's responsibility to provide at least two evaluations of a student's progress, such as exams and/or papers, before the mid-semester or mid-session withdrawal deadline.

Probation, Dismissal and Reinstatement

At the end of each semester or session, the academic standing of all graded students is determined on degree applicable course work. A student who has been placed

on probation will be notified his/her probationary status; this notification will also request that the student confer with a counselor regarding the probationary status. Probation and dismissal status is based on the following:

1a. Placement on Academic Probation

A student who has attempted at least 12 semester units is placed on academic probation when the earned grade point average in all units attempted at Citrus College is less than 2.0.

1b. Placement on Progress Probation

A student who has enrolled in at least 12 semester units shall be placed on progress probation when 50 percent or more of all enrolled units have entries of *W*, *FW*, *I*, and *NP*.

2a. Removal from Academic Probation

A student on academic probation shall be removed from probation when his/her Citrus College cumulative grade point average is 2.0 or higher.

2b. Removal from Progress Probation

Students on progress probation shall be removed from probation when their percentage of all Citrus College enrolled units with recorded entries of *W*, *FW*, *I* and *NP* drops below 50 percent.

3. Dismissal

At the end of spring semester, students on probation shall be dismissed when one of the following conditions applies:

3a. The earned grade point average in all units attempted at Citrus College is less than 2.0 in two consecutive semesters of enrollment;

3b. The number of units for which *W*, *FW*, *I*, and *NP* entries have been assigned has warranted probationary status for two consecutive semesters of enrollment.

Students will be notified of their dismissal from Citrus College and will be urged to meet with a college counselor during the semester prior to reinstatement. Students may apply for reinstatement after one semester of absence from Citrus College.

A student who has been dismissed from Citrus College may appeal the dismissal to the Counseling and Advisement Center. Circumstances that shall warrant exception to the standards for dismissal include error, illness, or other circumstances beyond the control of the student.

4. Appeals and Reinstatement after Dismissal

Students who have been dismissed from Citrus College may file a written Petition of Appeal with the Counseling and Advisement Center after one semester has elapsed since the semester of dismissal. Petitions will be reviewed by the dean of counseling and the dean of admissions.

Petitions for reinstatement must be supported with verification of remedial work or evidence of readiness to do successful college work. Students are required to meet with a counselor prior to registration each semester until they are removed from probationary status.

A reinstated student must earn a grade point average of at least 2.0 and complete more than 50 percent of all units attempted each semester after reinstatement. This is mandatory until the student has achieved a cumula-

tive grade point average of at least 2.0 and the number of *W*, *I* and *NP* units drops below 50 percent of all attempted units at Citrus College. A reinstated student who fails to meet these criteria will be dismissed again.

These standards also apply as the minimum standards of satisfactory progress for students who are recipients of federal and state funds administered by the college.

Program Changes: Adding and Dropping Classes

Students wishing to make adjustments in their program (add or drop a class) may do so according to the add/drop dates issued by the Admissions and Records Office.

Repeated Courses

A student may enroll in a course and receive a satisfactory grade of *A*, *B*, *C*, or *P* only once, unless the course description in the college catalog states that the course may be repeated for credit.

A student may repeat a course only once when a *D*, *F*, *NP*, *W* or *FW* has been earned. A student must file a petition and receive approval prior to attempting a course for a third time. The petition will be considered if the withdrawal or substandard grade was the result of extenuating circumstances. In this case, extenuating circumstances are defined as verified cases of accident, illness or other circumstances beyond the control of the student.

When a *D*, *F*, *FW* or *NP* is repeated, the units and grade points of the higher grade will be used in computing the student's grade point average at Citrus College.

The permanent academic record shall be annotated in such a manner that all work remains legible.

A student may repeat a course one time at another accredited college to alleviate a final grade of *D*, *F*, *FW* or *NP* earned at Citrus College. The student must file a petition and verify the grade with an official college transcript. The units and grade points of the higher grade shall be used in computing the student's grade point average at Citrus College. Then, the permanent academic record shall be annotated in such a manner that all work remains legible.

A student may petition to repeat a course one time when it has been determined by the college that there has been a significant lapse of time since the student previously took the course. The units and grade points of the first enrollment in the course will be used in computing the student's grade point average at Citrus College, and the permanent academic record shall be annotated.

Pass/No Pass Courses

Citrus College students may be evaluated on a Pass/No Pass grading basis in courses approved by the Curriculum Committee. Pass/No Pass course options are designated in the Description of Courses section of this catalog by the symbol, Pass/No Pass or P/NP. A student must declare the option by the fourth Friday of a full semester for a full semester (or within 30 days of the term) by filing a Pass/No Pass Petition in the Admissions and Records Office.

Standards for Pass/No Pass Courses

- A passing *P* grade is defined as *C* or better. Units are awarded and grade points are not assigned, and the grade is not used to compute grade point average

- A No Pass *NP* grade is defined as less than satisfactory (*D* or *F*). Units are not earned and grades are not used to compute grade point average.

Pass/No Pass Units Allowed

- 12 maximum, during 4 or more semesters
- Limit of one Pass/No Pass option per semester or session
- Courses where all students are evaluated on a Pass/No Pass grading basis are excluded from the 12-unit limitation (see course descriptions for details)

Credit by Examination

A student in satisfactory scholastic standing who has completed at least 12 units at Citrus College may petition to receive Credit by Examination for coursework offered by the college and/or the Advanced Placement examinations of the College Entrance Examination Board, College Level Examination Program, or the International Baccalaureate.

Credit by Examination/ Locally Administered Examination

1. This examination includes written, oral, or skill tests—or a combination of all three—as determined appropriate by the department administering the examination.
2. Credit by Examination shall be granted only for those courses that have been designated by a department as eligible; department approval is required.
3. A student may attempt Credit by Examination only once per course.
4. The student may not be enrolled in the same course or

a more advanced course beyond the sixth week of classes, or equivalent.

5. A student may not petition for Credit by Examination of a course for which the student has previously received an evaluative symbol grade (*A*, *B*, *C*, *D*, *F*, *P*, and *NP*).
6. The maximum number of credits allowed for coursework taken by examination is 30 units.
7. Grades received because of courses taken for Credit by Examination shall be recorded as Pass/No Pass grades on the permanent transcript record and shall be designated as credit earned by examination.
8. Credit earned by examination may not be counted toward eligibility in any activity program and may not be used to satisfy the 12 units in residence required for the associate degree.

Credit by Examination- Externally Administered Examination

1. Advanced Placement

The district will grant three to ten (3 – 10) units of elective credit for an examination score of three, four or five (3, 4, 5) in subjects of the Advanced Placement (AP) program of the College Entrance Examination Board. Subject credit, rather than elective credit, may be granted upon recommendation of the department. See pages 30-32 for more details.

2. International Baccalaureate

The District will grant three to four (3-4) units of elective

credit for an examination score of five, six or seven (5, 6 or 7), in the subjects of the International Baccalaureate (IB) Higher Level exams. Subject credit rather than elective credit may be granted upon recommendation of the department.

3. Credit through the College Level Examination Program

The district will grant up to six (6) units of elective credit for a score of 50 or above in a General Examination of the College Level Examination Program (CLEP) of the College Entrance Examination Board. Subject credit, rather than elective credit, may be granted upon recommendation of the department.

Maximum Credit by Examination and Other Non-Traditional Education

A student may be granted no more than 30 units through any combination of credit by examination (AP, CLEP, IB or local examinations) and evaluation of military service or other non-classroom experiences.

Credit awarded through advanced placement and International Baccalaureate may be used to satisfy graduation requirements toward the associate degree, IGETC and CSU General Education-Breadth requirements. Transfer universities reevaluate AP and IB credit. The units earned from AP and IB credit will not apply toward financial aid nor can they be used to satisfy the 12-unit residence requirement for graduation.

Credit for the College Level Examination (CLEP) Program

A student must be enrolled at Citrus College to receive course credit for CLEP examinations. Credit will not be granted for courses in which equivalent work has been completed.

The college will grant units for scores of 50 or above in the general examinations of the College Level Examination Program (CLEP) of the College Entrance Examination Board. Subject credit, rather than elective credit, may be granted upon recommendation of the department. Students will receive appropriate credit for CLEP examinations, for which faculty have determined equivalent to Citrus courses.

Credit for Courses Taken at Other Colleges

Academic credits earned at other regionally accredited institutions are evaluated at the time of a student's initial enrollment at Citrus College. It is therefore important that the student request official transcripts from all colleges previously attended. These transcripts should be sent to the Admissions & Records Office.

A student who has taken coursework at institutions of higher learning outside of the United States and who wishes to have that coursework considered toward his/her educational goal at Citrus College must have the academic credentials evaluated by a bonafide independent evaluating agency. A list of recommended agencies is available in the Admissions and Records Office.

Credit for DANTES (Defense Activity for Non-Traditional Education Support (DANTES/DSST)

At the time of catalog publication, DANTES/DSST Examinations are under review.

Any questions may be directed to the Articulation Office at extension 8637.

Credit for International Baccalaureate

A student must be enrolled at Citrus College to receive course

credit for the International Baccalaureate diploma or certificates.

1. The college will grant 3 to 4 units of elective credit for an examination score of 5, 6 or 7, in the subjects covered on the International Baccalaureate (IB) Higher Level exams.
2. Subject credit rather than elective credit may be given upon recommendation of the department.
3. See the chart located on pages 33 to see how your IB credit may be used towards IGETC and CSUGE certification.

Any questions may be directed to the Articulation Officer at extension 8637.

Citrus College Credit for Advanced Placement (AP) Tests

Students may earn credit for College Entrance Examination Board (CEEB) Advanced Placement (AP) tests with scores of 3, 4, or 5. AP credit can be used to meet IGETC, CSU GE and A.A. general education (GE) and/or major requirements.

Students must have the College Board send AP exam results to the Counseling Department for use on the A.A. or GE patterns.

Course credit and units granted at Citrus College may differ from course credit and units granted by a transfer institution.

The next two pages present the credit granted by Citrus College for Advanced Placement (AP) Tests. Please note the criteria for a Citrus College A.A. degree, the CSU GE requirements and the IGETC.

Students must file a Credit by Examination petition for evaluation at the Admissions and Records Office. To qualify for evaluation a student must complete twelve (12) units, be currently enrolled at Citrus College and have a cumulative GPA of a 2.0 or higher. The units earned from AP credit will not apply toward financial aid nor can they be used to satisfy the 12-unit residence requirement for graduation.

A.A.: Students should be aware that AP test credit is evaluated by corresponding it to an equivalent Citrus course, e.g. History 108. A student who receives AP credit and then takes the equivalent Citrus course will have the unit credit for such duplication deducted prior to being awarded the A.A. degree. Credit by Advanced Placement exam is noted and listed on a student's transcript, with units assigned and no grade.

CSU GE: The Advanced Placement examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or

subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements.

IGETC: AP exams must be used in the area indicated regardless of where the certifying CCC's discipline is located.



Allen Tung will attend UC Berkeley after achieving extraordinary academic success at Citrus College. In addition to his selection to the Phi Theta Kappa 2010 All California Academic Team, the 17-year-old student received the Gene Dudley Leadership Scholarship and participated in the Honors Transfer Council Research Conference.

Citrus College Credit for Advanced Placement (AP) Tests

Students may earn credit for College Entrance Examination Board (CEEB) Advanced Placement (AP) Tests with scores of 3, 4, or 5. AP credit can be used to meet IGETC, CSU GE and A.A. general education (GE) and/or major requirements.

Students must have the College Board send AP exam results to the Admissions for use on the A.A. or GE patterns.

Course credit and units granted at Citrus College may differ from course credit and units granted by a transfer institution.

EXAM	CITRUS AA (MAJOR/GE)	CSU GE	CSU - UNITS EARNED TOWARD TRANSFER	IGETC	UC - UNITS EARNED TOWARD TRANSFER
Art History	Art 101 3 semester units	Area C1 or C2 3 semester units	6 semester units	Area 3A or 3B 3 semester units	8 quarter/5.3 semester units
Art (Studio)	No course equivalency Elective 3 semester units	N/A	3 semester units	N/A	8 quarter/5.3 semester units
Biology	Biology 105 4 semester units	Area B2 and B3 4 semester units	6 semester units	Area 5B (with lab) 4 semester units	8 quarter/5.3 semester units
Calculus AB	MATH 190 4 semester units	Area B4 3 semester units	3 semester units*	Area 2A 3 semester units	4 quarter/2.7 semester units**
Calculus BC	MATH 191 4 semester units	Area B4 3 semester units	6 semester units*	Area 2A 3 semester units	8 quarter/5.3 semester units**
AP CALCULUS EXAM LIMITATIONS			*Only one exam may be used toward transfer		**Maximum credit 8 quarter/ 5.3 semester units for both
Chemistry	Chemistry 110 5 semester units	Areas B1 and B3 4 semester units	6 semester units	Area 5A (with lab) 4 semester units	8 quarter/5.3 semester units
Chinese Language & Culture	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Computer Science A	CSIS 111 4 semester units*	N/A	3 semester units**	N/A	2 quarter/1.3 semester units***
Computer Science AB	No course equivalency Elective 3 semester units	N/A	6 semester units**	N/A	4 quarter/2.7 semester units***
AP CS EXAM LIMITATIONS	*Maximum 6 semester units for both		**Maximum one exam toward transfer		***Maximum credit 4 quarter/ 2.7 semester units for both
Economics - Macroeconomics	Economics 101 3 semester units	Area D2 3 semester units	3 semester units	Area 4B 3 semester units	4 quarter/2.7 semester units
Economics - Microeconomics	Economics 102 3 semester units	Area D2 3 semester units	3 semester units	Area 4B 3 semester units	4 quarter/2.7 semester units
English - Language & Composition	English 101 3 semester units	Area A2 3 semester units	6 semester units	Area 1A 3 semester units	8 quarter/5.3 semester units*
English - Literature & Composition	English 101 or ENGL 102 3 semester units	Area A2 and C2 6 semester units	6 semester units	Area 1A or 3B 3 semester units	8 quarter units/5.3 semester units*
AP ENGLISH EXAM LIMITATIONS					*8 quarter/5.3 smester units maximum for both
Environmental Science	BIOL 145 3 semester units	Area B2 and B3 (if taken prior to Fall 2009) or Area B1 and B3 (regard- less of when taken) 4 semester units	4 semester units	Area 5A (with lab) 3 semester units	4 quarter/2.7 semester units
French Language	French 101 & 102 10 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
French Literature	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units

EXAM	CITRUS AA (MAJOR/GE)	CSU GE	CSU - UNITS EARNED TOWARD TRANSFER	IGETC	UC - UNITS EARNED TOWARD TRANSFER
German Language	German 101 & 102 10 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Government & Politics - Comparative	Political Science 103 3 semester units	Area D8 3 semester units	3 semester units	Area 4H 3 semester units	4 quarter/2.7 semester units
Government and Politics - U.S.	Political Science 103 3 semester units	Area D8 and US 2* 3 semester units	3 semester units	Area 4H 3 semester units	4 quarter/2.7 semester units
		*Does not fulfill AHI California Government requirement	Student can satisfy the AHI requirement after transfer		
History - European	No course equivalency GE Social Science 3 semester units	Area C2 or D6 3 semester units	6 semester units	Area 3B or 4F 3 semester units	8 quarter/5.3 semester units
History - U.S.	History 108 3 semester units	Area C2 or D6 3 semester units	6 semester units	Area 3B or 4F 3 semester units	8 quarter/5.3 semester units
History - World	No course equivalency GE Social Science 3 semester units	Area C2 or D6 3 semester units	6 semester units	Area 3B or 4F 3 semester units	8 quarter/5.3 semester units
Human Geography	Geography 102 3 semester units	Area D5 3 semester units	3 semester units	Area 4E 3 semester units	4 quarter/2.7 semester units
Italian Language & Culture	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Japanese Language & Culture	JAPN 101 & 102 10 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Latin - Vergil	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	3 semester units	Area 3B and 6A 3 semester units	4 quarter/2.7 semester units
Latin - Literature	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	4 quarter/2.7 semester units
Music Theory	MUS 101 3 semester units	Area C1 (if taken prior to Fall 2009) 3 semester units	6 semester units	N/A	8 quarter/5.3 semester units
Physics B	Physics 110 4 semester units	B1 and B3 4 semester units*	6 semester units*	Area 5A (with lab) 4 semester units	8 quarter/5.3 semester units**
Physics C - Mechanics	Physics 110 4 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A (with lab) 3 semester units	4 quarter/2.7 semester units**
Physics C - Magnetism	Physics 110 4 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A (with lab) 3 semester units	4 quarter/2.7 semester units**
AP PHYSICS EXAM LIMITATIONS			*Maximum 4 semester units toward GE and 6 semester units toward transfer 3 semester units		**Maximum 8 quarter/5.3 semester units for both
Psychology	Psychology 101 3 semester units	Area D9 3 semester units	6 semester units	Area 4I 3 semester units	4 quarter/2.7 semester units
Spanish Language	Spanish 101 & 102 10 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Spanish Literature	No course equivalency GE Humanities 3 semester units	Area C2 3 semester units	3 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Statistics	MATH 165 3 semester units	Area B4 3 semester units		Area 2 3 semester units	4 quarter/2.7 semester units

AA: Students should be aware that AP test credit is evaluated by corresponding it to an equivalent Citrus course, e.g. History 107. A student who receives AP credit and then takes the equivalent Citrus course will have the unit credit for such duplication deducted prior to being awarded the A.A. degree. Credit by Advanced Placement exam is noted and listed on a student's transcript, with units assigned and no grade.

CSU GE: The Advanced Placement examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply the toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements.

IGETC: AP exams must be used in area indicated regardless of where the certifying CCC's discipline is located.

Citrus College Credit for International Baccalaureate Exams

Students can earn IB credit with minimum score of 5, except where noted.*

EXAM	AA Degree	CSU GE	CSU - UNITS EARNED TOWARD TRANSFER	IGETC	UC - UNITS EARNED TOWARD TRANSFER
IB BIOLOGY HL	IB BIOLOGY AREA B. NATURAL SCIENCES 3 semester units	AREA B2 3 semester units	6 semester units	AREA 5B (without lab) 3 semester units	5.3 semester units
IB CHEMISTRY HL	IB CHEMISTRY AREA B. NATURAL SCIENCES 3 semester units	AREA B1 3 semester units	6 semester units	AREA 5A (without lab) 3 semester units	5.3 semester units
IB ECONOMICS HL	IB ECONOMICS AREA D. HISTORY/POLITICAL SCIENCE 3 semester units	AREA D2 3 semester units	6 semester units	AREA 4B 3 semester units	5.3 semester units
IB GEOGRAPHY HL	IB GEOGRAPHY AREA D. HISTORY/POLITICAL SCIENCE 3 semester units	AREA D5 3 semester units	6 semester units	AREA 4E 3 semester units	5.3 semester units
IB HISTORY (ANY REGION) HL	IB HISTORY AREA D. HISTORY/POLITICAL SCIENCE 3 semester units	AREA C2 OR D6 3 semester units	6 semester units	AREA 3B OR 4F 3 semester units	5.3 semester units
IB LANGUAGE A1 (ENGLISH) HL	IB LANGUAGE A1 (ENGLISH) AREA C. HUMANITIES 3 semester units	AREA C2* 3 semester units	6 semester units*	AREA 3B 3 semester units	5.3 semester units
IB LANGUAGE A1 (ANY OTHER LANGUAGE) HL	IB LANGUAGE A1 (ANY OTHER LANGUAGE) AREA C. HUMANITIES 3 semester units	AREA C2* 3 semester units	6 semester units*	AREA 35 + 6A 3 semester units	5.3 semester units
IB LANGUAGE A2 (ENGLISH) HL	IB LANGUAGE A2 (ENGLISH) AREA C. HUMANITIES 3 semester units	AREA C2* 3 semester units	6 semester units*	AREA 3B 3 semester units	5.3 semester units
IB LANGUAGE A2 (ANY OTHER LANGUAGE) HL	IB LANGUAGE A2 (ANY OTHER LANGUAGE) AREA C. HUMANITIES 3 semester units	AREA C2* 3 semester units	6 semester units*	AREA 3B +6A 3 semester units	5.3 semester units
IB LANGUAGE B (LANGUAGE OTHER THAN ENGLISH) HL	IB LANGUAGE B (LANGUAGE OTHER THAN ENGLISH) AREA C. HUMANITIES 3 semester units	NA/A 0 units	6 semester units*	AREA 6A 3 semester units	5.3 semester units
IB MATHEMATICS HL	IB MATHEMATICS AREA A2 MATHEMATICS 3 semester units	AREA B4* 3 semester units	6 semester units*	AREA 2A 3 semester units	5.3 semester units
IB PHYSICS HL	IB PHYSICS AREA B. NATURAL SCIENCES 3 semester units	AREA B1 3 semester units	6 semester units	AREA 51 (without lab) 3 semester units	5.3 semester units
IB PSYCHOLOGY HL	IB PSYCHOLOGY AREA D. SOCIAL/BEHAVIORAL SCIENCE 3 semester units	AREA D9 3 semester units	3 semester units	AREA 4I 3 semester units	5.3 semester units
IB THEATRE HL	IB THEATRE AREA C ARTS 3 semester units	AREA C1* 3 semester units	6 semester units*	AREA 3A 3 semester units	5.3 semester units

* a minimum of score of 4 is needed for CSU credit

CSU GE: The IB examinations may be incorporated into the certification of CSU General Education-Breadth requirements by any certifying institution. All CSU campuses will accept the minimum units shown and apply them toward fulfillment of the designated General Education-Breadth area if the examination is included as part of a full or subject-area certification. Please note that individual CSU campuses may choose to grant more units than those specified toward completion of General Education-Breadth requirements. CSU policy can be found at: <http://www.calstate.edu/AcadAff/codedmemos/AA-2009-11.pdf>

IGETC: IB exams must be used in area indicated regardless of where the certifying CCC's discipline is located. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

The IGETC policy for IB credit can be found at: http://www.asccc.org/icas/Docs/Final%20IGETC_Standards_v1_1_06-04-09.pdf

UC credit earned for transfer and for individual campuses can be found at: <http://www.universityofcalifornia.edu/educators/counselors/adminfo/freshman/advising/credit/baccalaureate.html>

How Does Citrus Recognize High Achievement?

Honors Programs and Recognition

Academic Honors

Every fall and spring semester a press release is sent to the local media, on behalf of each member of the board of trustees, listing each student who earned a place on the President's List and the Dean's List. Academic honors criteria are presented in the Evaluating Academic Progress section.

Achievement Awards

Every year, Citrus College hosts its Academic Achievement Awards, a banquet and awards ceremony in honor of the college's top students. Awards are given to the Man of the Year and the Woman of the Year; the Male Athlete of the Year and the Female Athlete of the Year; and the Top 100 Students, who have demonstrated high academic performance in a given department. The college's highest academic honor, the Keys of Knowledge, awarded to the 10 students who have achieved Citrus' highest overall academic performance, is also announced at this event.

Honors at Graduation

Citrus College graduates are recognized at Commencement for their permanent membership in the Alpha Gamma Sigma, Phi Theta Kappa and Psi Beta honor societies. In addition, students who earn a cumulative total in all college work, at Citrus College and at other colleges and universities, are recognized for Highest Honors, 3.80-4.00 GPA; High Honors, 3.60-3.79 GPA; and Honors, 3.30-3.59 GPA.

Due to the scheduled dates of Commencement and spring semester final exams, Honors at Graduation GPAs do not reflect spring semester grades.

Honors Program

The Honors Program is for highly motivated students and provides a unique learning environment emphasizing scholastic excellence. The objective of the program is to better prepare students for transfer to a four-year institution and to complete a bachelor's degree.

To enter the Honors Program, a student must have a minimum grade point average of 3.25 and be eligible for English 101.

Honors coursework enhances a student's ability to read, write, and think critically about current topics.

Other program benefits include:

- A variety of courses that meet UC, CSU and private university transfer requirements
- Enhanced transfer opportunities
- Interaction with highly motivated students
- Smaller class sizes
- Honors classes and program participation noted on Citrus College transcripts
- Scholarship opportunities

Honor Societies

Alpha Gamma Sigma

Alpha Gamma Sigma (AGS) is the honor scholarship society of the California Community Colleges. Its purpose is to encourage students to achieve the highest degree of development in scholastic, leadership, and community service endeavors while attending Citrus College.

AGS membership is renewed each semester and is based on GPA and number of units completed. After completing three semesters

of membership, students may be eligible for lifetime or permanent membership. For additional information, visit the AGS website www.ags-honor.org

Phi Theta Kappa

Phi Theta Kappa, an international honor society of two-year colleges, is the world's largest and most prestigious honor society serving two-year colleges. Eligibility is based on GPA, number of units completed and membership fees.

The organization offers a myriad of opportunities for scholarships, intellectual enrichment and personal development through programs based on Phi Theta Kappa's four hallmarks of Scholarship, Leadership, Service and Fellowship.

In recent years, Phi Theta Kappa members from Citrus College have achieved prominence in Phi Theta Kappa at the state level, through their rankings on the organization's academic teams. For more information, visit www.ptk.org

Psi Beta

Psi Beta® is the psychology national honor society for community and junior colleges. Its mission is professional development of psychology students through promotion and recognition of excellence in scholarship, leadership, research, and community service.

Who Records My Grades and Credits?

Policies Regarding Academic Records

Educational records consist of student files maintained by Admissions and Records, Counseling and Assessment, Financial Aid, and individual departments.

Academic Renewal

Past performance does not always accurately reflect a student's current ability. Therefore, Citrus College has a policy of academic renewal without course repetition so students may achieve their educational goals in spite of past poor performance.

Criteria for Academic Renewal

Students may request academic renewal as a means to achieve the educational goals of graduation from Citrus College, completion of certificate programs, and/or enable transfer to a four-year college or university. It is not applicable to students who wish to raise their grade point averages beyond these stated goals.

1. Only units taken at Citrus College may be disregarded, not units from other colleges.
2. A maximum of 24 units may be alleviated from not more than three semesters of work.
3. A minimum of 18 months must have elapsed since the end of the term of substandard work to be disregarded.
4. Since completion of the work to be disregarded, a minimum of 12 units must be completed at any accredited college or university, with a grade point

average of a 3.0, or 24 units with at least a 2.5 GPA, or 36 units with at least a 2.0 GPA. In cases where all units since completion of work to be disregarded are C or better and the criteria set forth have been verified, the academic renewal petition will be granted and the dean of admissions and records or his/her designee will make the proper annotation on the student's permanent record. In cases where units below C level exist since completion of work to be disregarded, the petition will be referred to a Petitions Committee, made up of the dean of admissions and records, the dean of counseling, two instructional faculty members and a counseling faculty member appointed by the Academic Senate. Evidence may be provided by the student to this committee regarding the substandard grades to aid in the decision process. The decision of this Petitions Committee shall be final.

5. A student may only be granted academic renewal once.
6. Only substandard grades of *D*, *F*, *FW*, *NC*, or *NP* can be disregarded.

Academic renewal by Citrus College does not guarantee that other institutions will honor the elimination of units from consideration in the grade point average.

It is a student's responsibility to confirm with a transfer institution whether academic renewal will be accepted.

When academic renewal is approved, the student's permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history.

If the student has been granted academic renewal by another accredited college, such action shall be honored under this policy. However, the number of semester units allowed to be disregarded will be reduced by the number previously disregarded.

Transcripts

See Admission, Registration and Matriculation section

Challenge of Educational Records

See Student Grievances

Where Do I Find Help and How Do I Become Involved?

Student Services and Student Life

Admissions and Records

The Admissions and Records Office, located on the first floor of the Administration Building, is the gateway to Citrus College. Here, applications are received and processed; registration is facilitated; and grades are verified.

Admissions and Records is the official custodian of student records, which include, but are not limited to, demographic information, academic history, and data mandated by the California Community College Chancellor's Office and other government agencies.

Athletics: The Fighting Owls

Citrus College is a member of the Western State Conference and Southern California Football Alliance. Men's intercollegiate sports include basketball, football, track and field, golf, cross country, swimming, water polo, soccer and baseball. Women's intercollegiate sports include volleyball, soccer, swimming, golf, cross country, track and field, softball, basketball, and water polo.

In accordance with the Equity in Athletics Disclosure Act of 1994, for information concerning Citrus College intercollegiate athletic programs contact the Citrus College athletic director.

Athletic Eligibility

All athletes prior to their first season of competition at Citrus College must have official high school and college transcripts on file in Admissions to receive final eligibility certification. The California Commission on Athletics governs Citrus College's athletic eligibility rules. To be eligible, a student athlete must:

1. Enroll in and pass a minimum of 12 units during participation in a sport. Nine of these units must be in academic courses.
2. Second-season student athletes must pass 24 semester units, 18 of which must be in academic courses, before participating in the same sport. A 2.0 GPA (cumulative) is required.

Student athletes who participated in intercollegiate athletics at another community college are required to:

1. Complete 12 units at Citrus College, nine of which must be in academic courses, prior to competing. The student must also complete and pass 24 semester units, 18 of which must be in academic classes.

Or

Complete 36-quarter units, 27 of which must be in academic classes, before being eligible for a second season of participation.

2. Student athletes transferring from an out-of-state community college must be eligible to participate in the upcoming season if they were to remain at that institution.

Student athletes who plan to transfer to a four-year college must follow specific transfer eligibility requirements. An athletics counselor is available to advise student athletes to ensure they follow the athletic academic plan, established by the Counseling and Advisement Center.

Bookstore

Students are required to purchase books and supplies needed for their courses. To meet this need, the Owl Bookshop is owned and operated by Citrus College as a service to students, faculty and staff with the purpose of making educational materials and related items available at an economical cost. Profits from its operation are used to fund staff, activities, grants and scholarships, equipment purchases and campus improvements.

Effective fall 2010, information about required textbooks for each class will be available for students to access through the online class schedule. For more information call 626-914-8620.

Prices and information on educational materials are subject to change at any time. Citrus College and the Owl Bookshop cannot assume any responsibility for errors on listed information unless the books purchased in error are purchased from the The Owl Bookshop. Such purchases are subject to the normal Owl Bookshop return policy. Please be careful how you use the information on our web pages.

The Owl Bookshop sells new and used textbooks at a price designed to cover the costs of operating the bookstore and meeting all other required financial obligations. This price includes all expenses associated with bookstore operations and personnel. (AB 1548)

The Owl Bookshop accepts MasterCard, VISA, Discover, American Express, cash, ATM or personal check with valid California Driver's License. Books and supplies may also be purchased online at www.owlbookshop.com

The bookshop is located adjacent to the Campus Center; hours of operation and textbook information are listed at www.owlbookshop.com.

Refund Policy

Books purchased for any current semester session may be returned for refund as indicated on the refund policy received at the time of purchase. The books must be in the same condition as when originally purchased. Do not mar, damage or write in your books. A cash register receipt, proof of registration and student ID are required for all refunds.

Students are encouraged to sell their books back during finals through "**BUY BACK.**" A used book company purchases books needed by the bookstore at a percentage of the new book price.

The company also buys other books with a current market value at a wholesale price. Proof of registration and student ID are required. The bookstore cannot guarantee the buy back of any book.

CalWORKs

California Work Opportunity and Responsibility for Kids (CalWORKs) is the state's welfare-to-work program for families with children that are receiving Temporary Aid for Needy Families (TANF). The Citrus College CalWORKs Program works in collaboration with the Department of Public Social Services to assist students with education, training, and job skills.

Citrus College provides short-term training programs to help CalWORKs students enhance their skills and/or develop new skills in order to find employment and become self-sufficient. CalWORKs students receive assistance with completion of county paperwork, child care, work-study job placement, and referrals to community resources.

Additionally, CalWORKs students have the opportunity to establish education and career paths, which will help them as they transition off of cash aid.

Campus Safety

Campus Safety ensures the safety of students, faculty, staff and visitors while they are on campus property or involved in college-sponsored programs and activities, as well as protects district property and facilities.

Campus Safety has the authority to enforce the Standards of Student Conduct.

According to the Education Code, Campus Safety is the liaison with local law enforcement agencies in all criminal action cases. Therefore, in the event of an emergency, individuals should promptly report the incident to Campus Safety. It is Campus Safety's responsibility to contact police agencies.

Campus Safety also provides a security escort for any member of the college community from dusk until dawn. These escorts are for safety, not convenience.

Career/Transfer Center

The Career/Transfer Center serves students' career development and transfer needs.

Career counselors help students explore occupations and career

fields using comprehensive printed and computerized resources. Through workshops as well as individual counseling, our staff can help you decide on a career field and prepare you for the job market. Career assessments are available to measure your values, interests, and skills. We can help you determine which occupations and work environments could be a good fit for you. The center also has helpful resources for students who plan to transfer to a university. We provide a variety of transfer support services and activities to help you make a seamless transition such as:

- Library of university catalogs
- Individual transfer advising by appointment
- University representative appointments
- University application assistance
- University field trips
- Transfer awareness workshops
- College Fairs
- Transfer Admission Guaranteed to several UC schools (TAG)
- Articulation agreements with senior institutions

Cashier

See Fiscal Services/Cashier

Center for Teacher Excellence (CFTE)

Citrus College's Center for Teacher Excellence helps students interested in teaching build an educational plan that best suits their interests and goals. Students receive academic advising and counseling; preparation for the CBEST and CSET examinations; financial aid and scholarship assistance; help with university transfer applications; networking opportunities through the student chapter of the California Teachers Association and more. Students

who utilize the services offered by the Center for Teacher Excellence develop core competencies in communication; as well as creative, critical, and analytical thinking (problem solving and decision making).

Child Development Center

The Orfaea Family Children's Center at Citrus College is a state licensed program providing child development services for children 2 1/2 to 5 years of age. It is accredited by the National Association for the Education of Young Children.

Services include:

- Early morning (6:30-8:00 a.m.) and late afternoon (4:00-6:30 p.m.) childcare
- Age-specific developmental and educational programs in enclosed classrooms
- Daily breakfast, lunch and afternoon snack
- Parent education workshops
- A lab setting that provides training opportunities for students and other professionals

Childcare fees are on a sliding scale based on family income and availability of funds. State funding assistance is available to eligible parents who need help in paying for services. For more information, call the Child Development Center at 914-8501.

Counseling & Advisement Center

The Counseling and Advisement Center is located on the first floor of the Administration Building. Professional counselors and educational advisors are available by appointment to assist students in their educational, vocational and personal matters. Consistent use of counseling and advisement is necessary due to the frequent changes in requirements and rec-

ommendations for colleges and universities, as well as new developments in career opportunities.

Students are encouraged to meet with a counselor during their first semester to develop an education plan. This plan will list the courses needed to complete your educational goal. In addition, courses in college planning, career exploration, decision-making and communication are taught by counselors to assist students.

Disabled Students Programs & Services (DSP&S)

DSP&S provides support to students who have a verifiable disability that limits one or more major life activities. Students with a physical disability, visual impairment or auditory impairment, psychological disability, permanent or temporary health concerns, or a learning disability can receive assistance from specialized personnel. Services and instructional support may include:

- Adapted testing
- Adapted physical education
- Adaptive computer technology
- Campus referrals
- Citrus College web accessibility
- Closed-captioned videotapes
- Community liaisons
- Electronic textbooks
- In-class and laboratory assistance
- Instructor liaisons
- Note taker service
- Priority registration/registration assistance
- Reader service
- Sign language interpreting
- Specialized counseling
- Specialized equipment

New students should contact the DSP&S Office before enrolling to allow sufficient time to arrange for requested services.

EOP&S/CARE

Extended Opportunity Programs & Services/Cooperative Agencies Resources for Education (EOP&S) helps community college students from economically and educationally disadvantaged backgrounds achieve their academic and career goals. The support services consist of information and assistance in admissions, enrollment, financial aid, assessment, and selecting a major and/or a career.

EOP&S also provides:

- Support services such as priority registration, textbook purchase assistance, career test fee waivers, tutoring and self-development workshops
- Outreach to high schools, community-based organizations and agencies
- Peer advising designed to retain students using mentors and positive role models
- Counselors and Educational advisors who provide academic and personal counseling
- Referrals to other services available on campus and in the community
- A six-week Summer Bridge program where potential students from local high schools attend class, learn college success strategies and take field trips.

The CARE Program, established by the California Legislature (AB 3103), assists EOP&S students who are single parents on public assistance with at least one child under the age of 14.

Through CARE, students receive supplemental educational support services, such as counseling, advisement and peer networking activities specifically designed for low-income, single parents.

In addition, CARE provides grants and allowances for childcare, transportation, textbooks, and supplies to ensure strong retention, persistence and transfer rates among their students as they work to achieve their chosen objectives, which include obtaining vocational certificates of achievement or licenses, earning an associate degree, and/or transferring to a four-year college or university.

Financial Aid

The Financial Aid Office is responsible for initiating, monitoring, and disbursing federal and state funds. These programs are provided to students in the form of grants, scholarships, employment, and loans.

Federal and state financial aid programs are designed to assist all Citrus College students, especially those students from low to middle income families. The intent of these programs is to help students who are pursuing post-secondary education and have not earned their first bachelor's degree.

Students must apply for financial aid as soon as possible after January 1 and before March 2 of every year. Do not procrastinate. Many students underestimate the time it takes to prepare for college. It is important that both the student and the Financial Aid Office have enough time to prepare and process the applications in a timely manner.

In order to apply for financial aid, all of the following requirements must be satisfied:

1. Citizenship: Financial aid applicants must be a U.S. Citizen, a U.S. National, or an

eligible non-citizen.

- a. Eligible non-citizens include: U.S. permanent residents with an I-551 Card; Conditional Permanent residents with an I-551 Card; Applicants with an Arrival-Departure Record (I-94) with one of the following designations: "Refugee," "Asylum Granted," "Parole," or "Cuba-Haitian Entrant."
 - b. A student who is in the U.S. on an F1 or F2 student visa, a J1 or J2 exchange visitor visa, or a G series visa, is not eligible for Federal Student Aid.
2. Students must have a valid social security number.
 3. Males born after 12/31/1959 must register with Selective Service. Call 1-847-688-6888 or go online to: www.sss.gov for registration guidelines or to verify registration.
 4. A high school diploma, GED, or successful completion of the Ability To Benefit (ATB) Test is required.
 5. Financial aid applicants must be undergraduate students enrolled in a program that leads to a certificate, degree, or transfer program.
 6. Students must not owe a refund to any institution for grants received; nor be in loan default in a Stafford or Perkins Loan.
 7. Maintain Satisfactory Academic Progress (SAP) as defined by the Financial Aid Office.
 8. Demonstrate financial need, which is determined by the

Financial Aid Office and based on the college's cost of attendance (COA) minus Expected Family Contribution (EFC), as defined by the federal methodology.

For Students Who Meet All of the Requirements

Students, who meet all of the above-stated requirements, should complete the Free Application for Federal Student Aid (FAFSA). Apply online at www.fafsa.ed.gov. Citrus College's Federal School Code is **001166**. **It is important to apply early; applications are accepted as early as January 1.**

Once the student has successfully completed the FAFSA, please follow up with the Financial Aid Office to check the status of your application.

The Financial Aid Office may request some or all of the following:

- Student and/or parents' IRS tax return with W-2's
- Proof of untaxed income
- Social Security Card(s)
- Other information that pertains to financial income

When determining financial aid eligibility, several factors are taken into consideration, such as:

- Taxed and non-taxed family income
- Investment(s)
- Taxes paid
- Household size
- Number of family members in college

How to Apply for Financial Aid/Filing the FAFSA

A student can apply for financial aid through the Internet. Go to www.fafsa.ed.gov. A Personal Identification Number (PIN) will be required for both the student and the parent of dependent students. Visit www.pin.ed.gov to apply for a PIN.

The Financial Aid Office staff is available to meet with students and assist them in filling out their FAFSA application online in English and Spanish. The Financial Aid Office has a computer lab that is available to students.

Students who complete the FAFSA may qualify for one or more of the following programs:

Federal Programs:

The following federal programs are grants, which do not have to be repaid:

- The **Federal Pell Grant** is for students who have been determined eligible based on the federal methodology. This program assists students who have not earned a bachelor's degree.
- The **Federal Supplement Educational Opportunity Grant (FSEOG)** is for eligible students with exceptionally high financial need. Students must be Pell Grant eligible to receive FSEOG.
- The **Academic Competitiveness Grant (ACG)** is available to eligible undergraduate students who have completed a rigorous secondary high school program and graduated from high school after January 1, 2005.

- **Federal Work Study (FWS)** is awarded to students who declared on their FAFSA that they are interested in FWS. It provides students with an opportunity to earn funds through on or off campus jobs.

Loans are awarded to students based on eligibility and must be repaid. Direct Loans (**Subsidized and Unsubsidized**) are awarded to students who apply and have successfully completed their financial aid application (FAFSA).

State Programs:

The **Board of Governor's Grant (BOGG)** is a fee waiver designed for students who are California residents and demonstrate financial need. It covers the student's enrollment fee. This is not a cash grant.

Cal Grants are designed to assist students from low and middle income families to help pay for the students' educational expenses. These grants are sponsored by the California Student Aid Commission (CSAC). Eligibility is based on a student's grade point average (GPA), student/parent(s) income, and the student's course of study. To be eligible you must complete a FAFSA, and meet the Cal Grant deadlines, which are March 2 and September 2 of every year.

Funding availability depends on state budget.

Scholarships

Through its Foundation, Citrus College also offers a variety of scholarships that are available for new, continuing, graduating, and transferring students. Citrus College students are also encouraged to apply for scholarships available from outside sources.

For more information on scholarship opportunities, please visit the Financial Aid Office or go online to: www.citruscollege.edu/stdntsr/finaid
www.collegeboard.com
www.collegenet.com
www.college-scholarships.com
www.salliemae.com
www.supercollege.com
www.usafunds.org

Other Sources

Students are invited and encouraged to contact the Financial Aid Office and other sources with questions regarding student aid programs, the application process, eligibility requirements, and deadlines.

Citrus College

Financial Aid Office
Location: ED 102
(across from the Administration Building)
(626) 914-8592
financialaid@citruscollege.edu
www.citruscollege.edu/stdntsr/finaid

U.S. Department of Education

1-800-4FED-AID
(1-800-433-3243)
Monday through Friday,
8:00 a.m. and 8:00 p.m. EST.
www.ed.gov
1-800-730-8913
(Hearing Impaired)

Veterans Affairs

Veterans benefits information is available at the Veterans Center, located in the Educational Development Building (ED), ED 248.

Citrus College is an approved, degree granting institution for veterans and their eligible dependents. The United States Code (Title 38, Chapters 30, 31, 35, 1606 and 1607) provides academic and career training opportunities for veterans. Citrus College invites and

urges eligible students to take advantage of the support services available to veterans.

Citrus College cooperates with the Veterans Administration and with the California State Bureau of Vocational Rehabilitation to help veterans and their eligible dependents achieve their educational and vocational goals. Our program is recognized by the Bureau for Private Postsecondary and Vocational Education in the Department of Consumer Affairs for Veterans Education Benefits.

How to Receive Veterans Benefits

1. Submit an application for admission to Citrus College; www.citruscollege.edu/ar
2. Forward official transcripts of all previous college or university work completed and military service credits forwarded to Citrus College. Transcripts must be evaluated within the first two terms of enrollment, in order for a student to continue receiving Montgomery GI Bill (MGIB) benefits.
3. Meet with a Citrus College veterans counselor, who helps students develop a Student Education Plan (SEP). It is important that the counseling staff knows a student's veterans status in order to assign him/her to someone experienced in helping veterans.
4. Submit the application for VA educational benefits, including member copy 4 of DD-214.
5. Reserve and National Guard personnel must submit a Notice of Basic Eligibility (VA form DD-2384), which is issued by the student's reserve or guard unit.
6. Submit all VA educational benefits paper work to the

Veterans Representative, located in the Veterans Center, ED 248, (626) 914-8516.

Additional Information Regarding VA Benefits

Applications for VA benefits will not be processed until all college transcripts have been received and the above procedures have been completed. Students receiving GIB benefits for the first time must allow eight to 10 weeks from the processing date to receipt of the first check.

The Veterans Administration holds both the college and the recipient liable for overpayments. Overpayments commonly occur due to:

- Failure to process a Program Change Form when dropping a course. The Veterans Administration considers the recipient ineligible to receive benefits after the last date of attendance.
- Failure to report to the veterans clerk in the Veterans Center any change in a student's number of units or change of address
- Repetition of a course in which a satisfactory grade (C or better) was received.
- If a student receives an overpayment, the Veterans Administration will automatically stop further payment until the entire amount due has been repaid.
- Veterans will receive a letter requesting repayment if the following categories apply:
 - Enrollment in fewer than 6 units and receiving benefits under Chapters 30, 31, 35, 1606
 - Enrollment in fewer than 7 units and receiving benefits under Chapter 33. Student may not take all Distance Education classes under Chapter 33 to receive BAH.

- Officially withdrawn from school

Hardship

In the case of hardship, a veteran may apply to the Veterans Administration to arrange for repayment of the debt with as little inconvenience as possible.

Academic Eligibility

If a VA student's cumulative grade point average remains below 2.0 for two consecutive terms, the student will not be certified for VA educational benefits until his/her academic status is restored to good standing.

Food Services

The Stuffed Owl Café, located downstairs from the Campus Center, offers a wide range of food selections. Monday through Friday, breakfast items are offered, as well as items from the grill; fresh pizza; fresh salads; deli sandwiches; a taco, burrito and tostada bar; and entrees of the day. Vending service is available at various locations on campus throughout the day and evening.

Health Center

The Student Health Center, located in Hayden Hall, supports the educational process and overall mission of Citrus College by providing quality health services and promoting positive health outcomes for the Citrus College community.

College nurses, part-time campus physicians, part-time nurse practitioners and other health care workers, staff the Student Health Center. Health services available to Citrus College students include:

- 12-step program referrals
- Accident and medical insurance information
- Acute illness/ambulatory treatment and care
- AIDS information, HIV testing and referrals
- Crisis intervention

- Commonly used prescription medications, including oral contraceptives, prescribed by the campus physician and/or nurse practitioner
- Condoms and personal hygiene items
- Eating disorders information and referrals
- Family Planning Services
- Health education (audio-visual, brochures & reference files)
- Hearing and vision screening
- Immunization (diphtheria-tetanus, flu, Hepatitis A&B vaccine)
- Registered nurses and mental health counseling
- Off-campus referrals as needed
- Over-the-counter (non-prescription) medications available from our self help counter
- Plan B Emergency Contraception
- Substance abuse counseling, information and/or referrals
- Testing for sexually transmitted diseases (STD)
- Tuberculin skin tests

There is no charge for the college nurse, nurse practitioner or physician services; however, some tests, medications and procedures require a minimal fee. For safety reasons, children are not allowed in the Health Center.

Visit the Student Health Center or call (626) 914-8671 for information and/or appointments. Hours sometimes vary for college health nurses, nurse practitioners, physicians and other health care personnel.

International Student Center

The International Student Center directs and coordinates international student activities in compliance with federal regulations. Citrus College international students represent 45 countries, further enhancing the diversity of

the campus. The interaction and networking among all students has proven to be an invaluable experience for everyone involved. The International Student Office also assists students through its orientation and support programs, ensuring students' completion of their objectives.

Refer to the International Student Admissions section for more information about registration and enrollment.
www.citruscollege.edu/stdntsrv/international

Student Employment Services

Student Employment Services is a free job referral service for current Citrus College students and alumni. Services include:

- A job board, divided by job classification, listing a variety of jobs--full and part time, permanent and temporary, on-and off-campus
- Resume preparation and interviewing skills guidance
- A Cooperative Work Experience Education program, which allows Citrus College students to gain one to four units of credit. Participating students must be enrolled in a class at Citrus within their major and have a job in a field that corresponds with their major.
- The processing of all hiring, termination, and payroll data of on-campus student workers

Student Government and Student Affairs

ASCC

The Associated Students of Citrus College (ASCC) is recognized by the Board of Trustees as the official student government organization, and is open to all student body members. An executive board composed of 19 members conducts ASCC business; 10 are elected members and nine are appointed members.

ASCC responsibilities include administering a budget of approximately \$650,000, as well as planning and implementing many social, cultural and co-curricular programs. Most important of all, ASCC board members represent the interests of the student body on all campus-wide committees.

Student Activities and Organizations

Students are encouraged to become involved in student clubs and organizations. Club activities include business meetings, lectures, discussions, field trips, publications, exhibits and special events of interest to the general student body and to the community. To coordinate the club activities and provide more student representation in school government, the Inter-Club Council, represented by student members, holds weekly meetings.

Citrus College clubs include:

- Alpha Gamma Sigma Honor Society
- American Medical Student Association
- Anime Connection
- Automotive Club
- Black Student Union
- Campus Activities Board
- Campus Crusade for Christ
- Citrus Business Association
- Chess Club
- Citrus College Veterans Network
- Cosmetology Club
- Dental Assisting Club
- EOP&S/CARE Club
- Evening Cosmetology Club
- Film Makers Club
- Gamers Unite Tomorrow Society (GUTS)
- Gay Straight Alliance
- International Friendship Club
- Latino Unidos Student Association

- Mind Poetic
- Muslim Student Association
- Phi Theta Kappa (PTK) Honor Society
- Philosophers' Club
- Photography Club
- Psi Beta (Psychology Honor society)
- Psychology Club
- Rotaract
- Sexploration
- Student Activist League
- Students for the Ethical Treatment of Animals
- Vocational Nursing

Veterans Center

The Citrus College Veterans Center is located in the Education Department building (ED 248) and employs one full time staff member. In 2008, the college received a sizeable grant from the Wal-Mart Foundation to fund veterans' services and establish the Veterans Center.

As a result, the Veterans Center provides a one-stop location where students can receive assistance with GI benefits processing, obtain counseling referrals, and access services such as the Veterans Book Fund, and the Veterans Network club. In addition, information about the Boots to Books course, peer to peer support groups, workshops for student veterans, and veterans organization contacts are also available through the Veterans Center.



My Citrus Story, Sandra Schmid

"Citrus was part of my destiny. The professors and staff were kind and insightful, and I received both practical help and encouragement to work hard and follow my dreams."

U.S. Air Force veteran and former Citrus College student Sandra Schmid is a theater arts major at U.C. Riverside. She occasionally performs in local theater productions.

What Additional Resources are Available at Citrus?

Campus Facilities and Learning Resources

Adapted PE/Fitness Center

The Adapted Physical Education Center is the home of the Fitness Center. It is located between the main gymnasium and tennis courts. This facility offers exercise and fitness programs for students, Citrus College employees and community members who live in the college district.

The center features cardiovascular training machines and weight machines also modified to accommodate persons with disabilities. These machines include treadmills, flexicisers, stationary and recumbent bicycles, arm ergometers and stand aids. Individual progress is monitored by checking blood pressure (if needed), strength, endurance and flexibility.

The Adapted Physical Education Program is also conducted at the Adapted PE facility. Students with physical limitations can participate in this exercise and health-related physical fitness program, which includes adapted physical education courses and adapted aquatics. For more information visit www.citruscollege.edu (Fitness Center)

Aquatic Center

The Aquatic Center is the home of the water polo team, and is frequently selected as the site for regional championship events.

The Aquatic Center also houses a therapy pool that is utilized by the athletic training staff to help treat injured athletes. It is open to the community and is often chosen as a location for television and movie shoots.

Art Gallery

The Art Gallery is located in the Hayden Memorial Library and features year-round exhibits by students and faculty from the Fine Arts Department.

Athletic Facilities

Citrus College's athletics facilities are among the best in Southern California. Recent renovations to the 10,000-seat football, soccer and track stadium include an all-weather track and a field turf surface. A new turf practice field is also available. Citrus athletes have the advantage of premium practice facilities: one weight training room, a double-circuit (64-station) fitness center, and two athletic training rooms.

The campus' athletic facilities continue to improve with the completion of the new two-story Field House, a brand new softball complex, and renovations to the Citrus College Gymnasium. The Field House provides facilities to support football, baseball, soccer, cross country and track. The two-story building features locker rooms, offices, equipment storage, and restrooms. The new softball complex features two softball fields both with artificial turf in the outfield, dirt infields and brand new state-of-the-art scoreboards.

Campus Center

The Ross L. Handy Campus Center is maintained by the Associated Students of Citrus College and provides a relaxation and meeting place for students, faculty, staff and the community. A staff member is on duty in the lounge area ensuring that the facility is used in accordance with

ASCC and district policies. For their safety, children visiting the Campus Center must be accompanied by an adult.

College Success Program

The College Success Program provides educational opportunities for students to improve their reading, writing, math and communication skills. The program, which is designed with student success in mind, is comprised of the following components:

- College Success Centers offer tutoring, access to learning software, and free workshops on study skills and test taking.
- The college success counselor is available full time to assist students with class selection, educational plans, and access to college wide services.
- Learning Communities comprised of two or more "linked" classes, create a community of instructors and students, providing more support for student success.
- Fast Track accelerated classes in English, reading, math, and English as a Second Language allow students to complete a 16-week course in eight weeks.

Fiscal Services/Cashier

Fiscal Services handles all aspects of the college's financial and budgetary matters. This includes student registration fees, childcare fees, and parking fines.

The cashier's office (also known as the Bursar) provides a variety of financial services for students as well as staff, faculty and the public. These services include collecting class fees, debts and outstanding obligations; accepting citation payments; processing

refunds; disbursing payroll checks, and providing 1098T replacements.

Golf Driving Range

The Range At Citrus features two hitting surfaces, natural grass and mats; eight target greens, sand trap, 33 stations, a chipping area and a 2,500 sq. ft. putting green. The Range also offers varying size buckets of Top-Flite Tour balls.

This golf practice center, which is open to the public, features lessons from a professional and from Citrus College instructors. The well-lighted golf driving range is open seven days a week. A well-stocked pro shop and snack bar provide added convenience. Please contact The Range for hours of operation, (626) 914-8688.

The Range At Citrus is located at the southwest portion of the campus near the baseball field, with entrance from Citrus Avenue. Designated parking for golfers is available in front of The Range.

Robert D. Haugh Performing Arts Center

Since 1971, the Robert D. Haugh Performing Arts Center has provided cultural and educational entertainment to the community.

The 1,400-seat theatre offers a variety of programs from all of the performing arts disciplines. Series offered in the Haugh Center's season include:

Grand Slam, Evenings at Eight, and Sundays at Two

The popular Grand Slam, Evenings at Eight, and Sundays at Two series present a wide range of entertainment, such as Frankie Avalon, Jack Jones, Paula Poundstone, Charo, The Irish Rovers, Mariachi Divas, Bayanihan Philippine Dance Ensemble, 101 Years

of Broadway, and bluegrass artists Dailey and Vincent.

Saturday Series for Kids

A Saturday afternoon series of events for young audiences—and their parents—to stimulate new ideas, provide different views of the world, and just plain have fun! Events include stagings of literary treasures such as “Anne of Green Gables,” and “the Berenstain Bears,” popular musicals like “Seussical! The Musical” and shows made popular on television like “Choo Choo Soul” from Playhouse Disney.

Fine Arts Department Productions

The Music Department, including the renowned Citrus Singers, presents two major productions per year; including the annual “Christmas Is...”

The Blue Note Orchestra performs an annual show, “Great American Songbook” featuring different themes such as Love Songs or Tin Pan Alley. Joined by the jazz band from Azusa Pacific University, Blue Note also hosts sell-out crowds in the annual “Battle of the Big Bands.” In addition to their off-campus concerts, the award-winning orchestra accompanies or opens for many of the notable performers during the Haugh Performing Arts main season such as Patti Page and Bob Newhart.

The Citrus Music Theatre Workshop presents fully staged Broadway musicals with spectacular scenery and costumes such as “Ragtime,” “Chicago,” “All Shook Up” and “Hello Dolly!” Citrus Women’s Ensemble presents an annual musical revue in the spring.

The Theatre Department presents multiple productions each year in the Citrus Little Theatre including public performances of their school

touring productions. The Dance Department presents two annual concerts in the Haugh Performing Arts Center including a special holiday dance concert near Christmas time and the cutting-edge spring concert, “Razor’s Edge.”

Learning Center

Located on the second floor of the ED building, the Learning Center provides instructional support services and is open to all Citrus College students with a Citrus ID card.

Success Center—Language Arts/Multidisciplinary

The center provides instructional support for English 30 and English 40 students needing to meet their English lab requirements. Faculty lab staff is available to provide guidance, one-on-one assistance, and small group instruction; clinics are conducted daily. The lab features 22 multimedia, online, and networked computer stations.

Language Lab

The Learning Center’s Language Lab is open to ESL students. A fully integrated, digitized audio lab is available, along with interactive software and videos. A lab supervisor is available to assist students.

Tutorial Services

Peer tutoring, in most subjects, is available free of charge to all Citrus College students. Students interested in working with a tutor must sign up for services.

Tutors are Citrus College students who have completed the tutor training program and have successfully completed the course(s) they tutor with a grade of *A* or *B*. An online tutoring program is also available through the Learning Center website.

Testing Center

The Testing Center offers:

- Academic test proctoring
- Adapted testing
- Assessment testing

The Testing Center provides administration and proctoring for Distance Education exams, make up exams for traditional classes, the chemistry diagnostic exam, and Adapted Testing for DSP&S students. Assessment testing is administered through a computerized "smart" placement test to determine students' initial placement into reading, English, ESL, and math courses.

Most assessments are done in block sessions followed by a counseling orientation session. Please consult the Citrus College website for Assessment/Orientation times.

The Testing Center provides computer programs for students who would like to brush up on their math, reading, and English skills before they take the assessment, or as a refresher before classes begin. Students must present a Citrus College student ID to use the Testing Center.

Students who require accommodations due to disabilities or other circumstances, may arrange to take their exams through Adapted Testing. Typical accommodations provided by Adapted Testing include extended time, large print, distraction-reduced exam space and adapted computer equipment.

Library

The Hayden Memorial Library/Learning Resource Center is located at the center of campus. This 33,000-square-foot facility contains approximately 50,000 print, 4,000 multimedia, and 27,750 electronic book titles. The library also features individual seating for 200, six listening rooms, 11 group study rooms, 61 public computers and an orientation room with 20 computers and 40 chairs.

The library's home page and catalog can be accessed online at www.citruscollege.edu/library. Its electronic databases are accessible by students and staff, on and off-campus, with passwords or by remote authentication.

The library staff will help students with research for class assignments and with personal information needs. The reference department offers group instruction to classes in the library, as well as one-on-one instruction in person, by telephone, e-mail or Meebo Chat, an online texting system.

STEM (Science, Technology, Engineering, Mathematics)

The STEM Resource Center offers support for students interested in science, technology, engineering and math. Activities include online tutoring, Supplemental Instruction, access to science materials and texts, contact with university representatives, STEM career workshops, guest speakers, and study groups.

Study Abroad

Citrus College students have the opportunity to study in Europe, Central America and China through Citrus College and the Southern California Foothills Consortium for Study Abroad. Semester length programs are offered in London, England (fall)

and Salamanca, Spain (spring). Students may study in Costa Rica during the winter intersession and in Italy during the summer session. Courses are taught by Citrus College faculty and faculty from one of the Consortium member colleges. Most courses are CSU/UC transferable and meet general education requirements.

Courses are chosen to maximize the benefits of studying in the host country. Selected courses often include English, humanities, art, theatre, history, political science, social science, speech, communications, philosophy, psychology, and on some programs business, natural history and foreign language. Students who study in Spain are immersed in Spanish language and culture.

The Study Abroad experience provides students with a global perspective and knowledge of other cultures that cannot be gained in domestic study alone.

Technical Services and Computer Labs

The Dan Angel Data Processing Center houses the college's main computer laboratory, several classrooms and the TeCS administrative offices. The computer laboratory has a variety of computers, printers, and software available to Citrus College students who need computing resources to complete their class projects and assignments. The computers, along with other campus computing resources, are also used to support the Computer Science and Information Systems (CSIS) curriculum. This program has introductory and general interest course offerings for anyone desiring to learn how to use computers for personal or professional purposes, and specialized courses for those who want to pursue a career in information processing.

There are also computer equipped classrooms and laboratories in the Art, Life Sciences, Earth Sciences, Liberal Arts/Business, Mathematics/Science, Physical Sciences, Professional Center, and Educational Development buildings. Internet access is available in most of the college's computer classrooms and laboratories, including wireless access in the Student Center and the Library.

Workforce Development

Workforce Development is an important resource for Citrus College students who want to prepare for a career. In addition to providing information about classes, students are also directed to the programs and services that ensure their success.

Workforce Development also offers assistance in the form of scholarships, mock interviews and job search strategies.



Student Photography Award Winners

Photography students Bryan Villarin, Ricky Lin and Kerry Murphy (photos clockwise from bottom) were selected out of 3,500 students nationwide as finalists in Photographer's Forum magazine's 30th Annual Student Photography contest. Lin was also selected as one of Citrus College's Top 100 Students, representing the Fine and Performing Arts Department.

How Do I Earn a Degree at Citrus College?

Programs of Study Leading to an Associate Degree

Requirements for Majors

The Associate in Arts and the Associate in Science degrees require a minimum of 18 units with grades of C or above in each course attempted that is counted toward the major, along with general education and proficiency requirements.

Programs of Study Leading to an Associate in Arts Degree

- * Dance
 - English Literature
 - Fine and Performing Arts
 - Language Arts
 - Liberal Arts with areas of emphasis
- * Music
- * Recording Technology
 - Social and Behavioral Sciences
- * Theatre Arts
- * Theatre Arts - Acting Emphasis
- * Theatre Arts - Technical Theatre Design Emphasis

Programs of Study Leading to an Associate in Science Degree

- Administration of Justice
- Automotive Technology
- Biological and Physical Science (and Mathematics)
- * Biological Science
- Business
- * Child Development
- Cosmetology
- Dental Assisting
- Drafting Technology
- Emergency Management and Homeland Security
- Energy Systems Technology
- Library Technology
- Mathematics
- Physical Education
- Public Works
- Registered Nursing
- Vocational Nursing
- Water Technology

*Pending Chancellor's Office Approval



This photo from the 2009 Commencement, received a first place award from the Community College Public Relations Organization.

Citrus College Core Competencies and Student Learning Outcomes

General education competencies serve as a common set of core curricular components identified and defined by faculty. Student learning outcomes are behaviors based on these competencies. Any student transferring or completing a degree or certificate from Citrus College must demonstrate effectively assessed awareness, understanding, knowledge, skills, and abilities in the selected competencies.

Any student transferring or completing a degree or certificate from Citrus College must demonstrate effectively assessed awareness, understanding, knowledge, skills, and abilities in the selected competencies. These learning outcomes address the general education philosophy of college (BP 4100, Graduation Requirements).

1. Communication

Students read, write, speak, and listen effectively at the college level.

2. Computation

Students demonstrate college level proficiency in mathematics and data analysis.

3. Creative, Critical, and Analytical Thinking, Information Competency

Students apply curiosity, creativity, and aesthetic awareness in decision making based on evaluation, analysis, and synthesis of college level material.

4. Community/Global Consciousness and Responsibility

Students assume personal responsibility and demonstrate respect for others as a measure of cultural awareness, ethics, and integrity.

5. Technology

Students understand the changing role of technology in learning and community.

6. Discipline/Subject Area Specific Content Material

Students demonstrate college level proficiency in a pattern of general education courses (General Education Philosophy).

Student learning outcomes are written in selected areas of competency at the course level (course outlines of record), program level (program review reports), and degree and certificate levels. Learning outcomes are mapped to show the relationships between and among the levels. General education learning outcomes are assessed through systematic analysis of course and program level assessment results.



Did You Know?

Citrus College received a six-year Reaffirmation of Accreditation from the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges.

Community College Week named Citrus College as one of the nation's top degree and certificate producing two-year institutions in the liberal arts associate degrees, associate degrees and two-year certificates awarded to Hispanic students, and associate degrees awarded to minority students, all disciplines.

Graduation Requirements for an Associate Degree

The Associate in Arts or the Associate in Science degree will be granted upon the completion of 60 degree-applicable units of work and fulfillment of the following specific requirements listed below. These graduation requirements shall apply to first time and returning students enrolling Fall Semester 2009 and thereafter. Students who have maintained continuous attendance (completed a course with an academic record symbol, excluding *W*, each semester) have the option of meeting these requirements or those in effect at the time continuous attendance began.

1. Scholarship Requirement

A cumulative grade-point average of 2.00 *C* must be earned in all lower division coursework attempted at any regionally accredited institution of post-secondary education. **Please note: Only Citrus College courses numbered 100 – 299 and Cooperative Work Experience Education may apply toward the Associate Degree.**

2. Residence Requirement

- a. Completion of a minimum of 12 units in residence including attendance during the last semester; *or*
- b. 30 units in residence if the last semester is not in residence.

3. Major Requirement

A student must complete 18 units and achieve a grade of *C* or better in each course attempted that is counted for the major.

4. General Education Requirements

- a. Option I: 22 units as stipulated by the Citrus College graduation requirements; **or**
- b. Option II: 34-39 units as stipulated by the CSU general education certification requirements, outlined on pages 106-109;
or
- c. Option III: 39 units as stipulated by the completion of the IGETC pattern, outlined on pages 99-102.

5. Physical Education Requirement

- a. Three units of physical education or dance Activity; **or**
- b. Completion of PE 170, 171, or 173.
No varsity sports courses may be used.

6. Competency Requirements

- a. **Writing:** Completion of an English Composition General Education Requirement with a grade of

C or better. Effective for all students admitted to a community college for the fall 2009 term or any term thereafter, competence in written expression shall be demonstrated by obtaining a satisfactory grade in an English course at the level of the course typically known as Freshman Composition or an other approved English course at the same level and with the same rigor. Satisfactory completion of an English course at the level of Freshman Composition shall satisfy both this competency requirement and the coursework requirement.

b. Mathematics: Proficiency in mathematics may be satisfied by one of the following:

- Completion of two years of high school algebra AND placement at the level of college algebra or higher on the Math Assessment Test; **or**
- Completion of any mathematics class listed in the mathematics section of the General Education Requirements with a grade of *C* or better.

Effective for all students admitted to a community college for the fall 2009 term or any term thereafter: competence in mathematics shall be demonstrated by obtaining a satisfactory grade in a mathematics course at the level of the course typically known as intermediate algebra. Intermediate algebra or another approved mathematics course at the same level, with the same rigor and with elementary algebra as a prerequisite, is acceptable. **Or**, the student can complete an assessment determined to be comparable to satisfactory completion of the specified math course.

c. Reading: Proficiency in reading may be satisfied by one of the following:

- A satisfactory score on the reading component of the placement test at the level of Reading 120; **or**
- A passing grade in Reading 099.

7. General Education Requirements (Option 1)

Completion of 22 units of general education distributed according to the following pattern:

a. Language and Rationality:

- Students following the mathematics competency requirement using the mathematics assessment test are required to complete two courses, six units minimum, including one course from English Composition and one course from either mathematics or Communication and Analytical Thinking; or
- Students who have not satisfied the mathematics competency are required to complete three courses from English Composition, one course from mathematics and one course from Communication and Analytical Thinking.
- Courses in language and rationality develop the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses.

b. Natural Sciences: One or two courses, four units minimum, including one laboratory course **or** one course from biological science and one course from physical science. Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena. They assist in developing an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities.

This category includes introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, physics, physical geography, physical anthropology, and other scientific disciplines.

c. Arts and Humanities: Two courses, six units minimum, one course from two different areas that include fine arts, foreign language, humanities, literature, and philosophy.

Courses in the arts and humanities study the cultural activities and artistic expressions of human beings. They assist in developing an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation, and in developing aesthetic understanding and an ability to make value judgments. This category includes introductory or integrative courses in the arts, foreign languages, literature, philosophy and religion.

d. Social and Behavioral Sciences: Two courses, six units minimum including one course from history and political science and one course from behavioral science.

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate.

This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines.

GENERAL EDUCATION PHILOSOPHY AND REQUIREMENTS

The awarding of an associate degree is intended to represent more than an accumulation of units. It symbolizes a successful attempt on the part of Citrus College to lead students through patterns of learning experiences designed to develop certain capabilities and insights, such as the ability to:

- Think and communicate clearly and effectively through oral and written expression;
- Develop logical and convincing arguments, reaching conclusions that are based on comprehensive inquiry;
- Adapt and apply technology to facilitate the acquisition and effective use of information;
- Understand the modes of inquiry of the major disciplines;
- Enhance the appreciation of the arts;
- Develop a lifestyle that will enhance physical and mental health, and wellness;
- Appreciate the contributions of different cultures, eras, and traditions to the human experience;
- Achieve insights gained through experience in thinking about ethics, integrity, honesty, self-management and the welfare of others;
- Develop the capacity for self-understanding; and
- Become informed citizens and problem solvers.

In addition to these accomplishments, the student shall possess sufficient depth in some field of knowledge to contribute to lifetime interest.

Central to an associate degree, General Education is designed to introduce students to the variety of means through which people comprehend the

modern world. It reflects the conviction of colleges that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. College educated persons must be able to use this knowledge when evaluating and appreciating the physical environment, the culture, and the society in which they live. Most importantly, General Education should lead to better self-understanding.

Completion of 22 units of general education distributed according to the following pattern (a maximum of 6 units or two classes from the major requirement may be applied to the general education requirements).

A. Language and Rationality: (6 or 9 units minimum)

Students satisfying the mathematics competency requirement through the mathematics assessment are required to complete 2 courses, 6 units minimum, including one course from English composition and one course from either mathematics or Communication and Analytical Thinking.

Students who do not satisfy the mathematics competency through the mathematics assessment are required to complete 3 courses, 9 units minimum, including one course from English Composition, one course from Communication and Analytical Thinking and one course from Mathematics (with a C grade or better).

A1. ENGLISH COMPOSITION

ENGL 101	Reading & Composition
ENGL 101H	Reading & Composition - Honors
ESL 101	Reading & Composition

A2. COMMUNICATION AND ANALYTICAL THINKING

CSIS 105	Introduction to Windows and Personal Computers
CSIS 107	Computer Information Technology Concepts
CSIS 111	Intro to Programming Concepts & Design
CSIS 130	Microcomputer Applications
ENGL 103	Composition & Critical Thinking
ENGL 103H	Composition & Critical Thinking - Honors
ENGL 104	Advanced Rhetoric: Classical Essay
OFF 101	Introduction to Microsoft Office Applications
PHIL 110	Logic
PSY 103	Elementary Statistics
SPCH 100	Interpersonal Communication
SPCH 101	Public Address
SPCH 101H	Public Address - Honors

SPCH 103	Argumentation & Debate
SPCH 106	Small Group Communication

A3. MATHEMATICS

MATH 148	Intermediate Algebra and
MATH 149	Intermediate Algebra
MATH 150	Intermediate Algebra
MATH 151	Plane Trigonometry
MATH 160	Survey of Mathematics
MATH 162	Math Analysis
MATH 165	Statistics
MATH 165H	Statistics - Honors
MATH 168	Math for Elementary Teachers I
MATH 169	Math for Elementary Teachers II
MATH 170	College Algebra
MATH 175	Pre-calculus
MATH 190	Calculus w/Analytic Geometry I
MATH 191	Calculus w/Analytic Geometry II

B. Natural Sciences: (4 units minimum)

One lecture/lab course (**lab courses in bold**) or 2 lecture courses, one from each area.

B1. LIFE SCIENCES

ANTH 212	Physical Anthropology
ANTH 212L	Physical Anthropology Lab
BIOL 102	Human Genetics
BIOL 104	Biology: Contemporary Topics
BIOL 105	General Biology
BIOL 109	Biology for Educators
BIOL 116	AIDS: Insights & Implications
BIOL 124	Principles of Biology I
BIOL 125	Principles of Biology II
BIOL 145	Environmental Science
BIOL 200	Human Anatomy
BIOL 201	Physiology
BIOL 210	Nutrition
BIOL 220	Microbiology

B2. PHYSICAL SCIENCES

ASTR 115	Planetary Astronomy
ASTR 115H	Planetary Astronomy - Honors
ASTR 116	Stellar Astronomy
ASTR 117	Life in the Universe
CHEM 103	College Chemistry
CHEM 104	College Chemistry
CHEM 106	Chemistry and Physics for Educators (Cross listed with PHYS 106)
CHEM 110	Beginning General Chemistry
CHEM 111	General Chemistry
ESCI 111	Earth and Space Science for Educators
ESCI 118	Physical Geography

ESCI 120	Physical Geology
ESCI 121	Historical Geology
ESCI 122	Geology: Earth History
ESCI 124	Environmental Geology
ESCI 125	California Geology
ESCI 130	Physical Oceanography
PHYS 106	Physical Science for Educators
PHYS 110	Intro to College Physics
PHYS 111	General Physics
PHYS 201	Physics

C. Arts and Humanities: (6 units minimum)

Two courses, one course from Arts and one course from Humanities.

C1. ARTS

ART 100	Art Hist & Apprec - Fundamentals
ART 101	Art Hist & Apprec - Ancient
ART 102	Art Hist & Apprec - Medieval
ART 103	Art Hist & Apprec - Renaissance
ART 104	Art Hist & Apprec - 19th Century
ART 105	Art Hist & Apprec - 20th Century
ART 106	Art Hist & Apprec - Pre-Columbian
ART 199	Motion Picture Appreciation
ART 200	History of Motion Pictures
ART 201	History of Motion Pictures
ART 206	History of Latin American Art
ART 207	History of Asian Art
COMM 100	Mass Media & Society
COMM 136	Cultural History of American Film
DANC 102	History of Dance
MUS 110	History of Music
MUS 111	History of Music
MUS 113	History of Rock & Roll
MUS 114	Music Appreciation
MUS 218	History of Jazz
MUS 225	Introduction to American Music
THEA 101	Introduction to Theatre
THEA 250	Theatre Appreciation

C2. HUMANITIES

COMM 200	Visual Communications
ENGL 102	Literature & Composition
ENGL 213	Horror Literature
ENGL 213H	Horror Literature - Honors
ENGL 251	Intro to English Literature I
ENGL 252	Intro to English Literature II
ENGL 261	Intro to American Literature I
ENGL 262	Intro to American Literature II
ENGL 271	Intro to World Lit-Ancient/Med
ENGL 272	Intro to World Lit-Renais/Modrn
ENGL 291	Film as Literature
ENGL 291H	Honors Film as Literature - Honors
ENGL 293	Children's Literature
ENGL 293H	Children's Literature - Honors
ENGL 294	Intro to Shakespeare

ENGL 296	Intro to Folklore
ENGL 298	Bible as Literature
FREN 101	French I
FREN 102	French II
FREN 201	French III
FREN 202	French IV
GER 101	German I
GER 102	German II
GER 201	German III
GER 202	German IV
HUM 101	Humanities
HUM 101H	Humanities - Honors
HUM 102	Humanities
HUM 110	Humanities in the 20th Cent
HUM 111	Humanities through the Arts
JPN 101	Japanese I
JPN 102	Japanese II
PHIL 101	Great Religions of the World
PHIL 106	Introduction to Philosophy
PHIL 106H	Intro to Philosophy - Honors
PHIL 108	Philosophy - Ethics
SPAN 101	Spanish I
SPAN 102	Spanish II
SPAN 201	Spanish III
SPAN 202	Spanish IV
SPAN 210	Intermediate Spanish for Spanish Speakers
SPAN 211	Reading & Comp for Spanish Speakers

D. Social and Behavioral Sciences (6 units minimum)

Two courses, one from History/Political Science and one from Behavioral Sciences

D1. HISTORY AND POLITICAL SCIENCE

ECON 100	Economics
ECON 101	Principles of Economics - Macro
ECON 101H	Principles of Economics - Macro Honors
ECON 102	Principles of Economics - Micro
GEOG 102	Cultural Geography
HIST 103	History of World Civilization
HIST 103H	History of World Civilization - Honors
HIST 104	History of World Civilization
HIST 105	History of World Civilization
HIST 107	History of the United States before 1877
HIST 107H	History of the United States before 1877 - Honors
HIST 108	Political & Social History of U.S.
HIST 108H	Political & Social History of U.S. - Honors
HIST 109	The World in Conflict /20th Cent., A History

HIST 110	Survey History of Africa
HIST 111	History of Afro Americans
HIST 112	History of Afro Americans
HIST 120	British Life & Culture
HIST 127	Spanish Civilization (Cross listed with SPAN 127)
HIST 130	History of Latin America
HIST 139	History of California
HIST 140	History of the American West
HIST 145	History of Mexico
HIST 155	History of the Vietnam War
HIST 222	History of World War II
POLI 103	American Government and Politics
POLI 103H	Government of the U.S. - Honors
POLI 104	Intro to Political Science
POLI 105	Comparative Politics
POLI 110	Current American Political Issues
POLI 116	Contemporary World Politics

D2. BEHAVIORAL SCIENCES

ANTH 210	Cultural Anthropology
ANTH 210H	Cultural Anthropology - Honors
ANTH 214	Native North America
ANTH 216	Sex & Gender in a Cross-Cultural Perspective (Cross listed with SOCS 216)
ANTH 216H	Sex and Gender in A Cross-Cultural Perspective - Honors
CHLD 110	Early Childhood Development
CHLD 111	Child Development, Youth-Adolescence
PSY 101	Intro to Psychology
PSY 110	Psychology of Religion
PSY 133	Personal & Social Growth
PSY 152	Psychology of Human Relations
PSY 205	Developmental Psychology
PSY 206	Child Growth & Development
PSY 206H	Child Growth & Development - Honors
PSY 213	Survey of Drug & Alcohol Use & Abuse
PSY 220	Introduction to Social Psychology
PSY 225	Psychology of Human Sexuality
PSY 226	Psychology of Women
SOC 114	Marriage, Family & Intimate Rel
SOC 118	Minorities in America
SOC 122	Intro to Chicano Studies
SOC 201	Intro to Sociology
SOC 201H	Intro to Sociology - Honors
SOC 202	Contemporary Social Problems
SOC 216	Sex & Gender in a Cross Cultural Perspective (Cross listed with ANTH 216)

E. Physical Education (3 units minimum)

(No varsity sports courses may be used)

All students must complete one of the following:

A. Three units of any P.E. activity or dance activity courses

or

B. PE 170, PE 171, 171H, or PE 173

Application for Graduation

Graduating students must file a formal application for graduation with the Counseling and Advisement Department. Students may graduate at the end of the fall, winter, spring or summer semesters or sessions, although only one Commencement ceremony is held in the spring.

A student who receives an associate degree may subsequently or simultaneously work on additional degrees. They must complete 18 additional units for each major.

All earned graduation requirements must come from a single catalog. A degree and/or certificate will not be released until the student has paid all of his or her outstanding debts to the college.

All transcripts of prior college work must be on file in the Admissions and Records Office before the application can be completed; refer to the current class schedule for application deadlines.

Multiple Majors

Within the graduation requirements for the associate degree at Citrus College, it is possible for a student to complete the requirements for more than one major providing that minimum requirements are met for each major and that a minimum of 18 units applies exclusively to each major.

Online Degrees

Associate degrees can be earned online through Distance Education. Visit www.citruscollege.edu/de and consult a counselor for details.

ASSOCIATE DEGREES

Administration of Justice

Administration of Justice offers men and women a career of personal challenge and rewarding public service. A great need exists for intelligent, well-educated personnel with a firm commitment toward professional improvement in the justice system. Citrus College offers courses to prepare students for employment and promotion in the criminal justice system.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Administration of Justice	Units
AJ 101 Introduction to the Administration of Justice	3
AJ 102 Concepts of Criminal Law	3
AJ 103 Legal Aspects of Evidence	3
AJ 105 Criminal Investigation	3
AJ 106 Patrol Procedures	3
AJ 107 Traffic Control	3
AJ 108 Juvenile Procedures	3
AJ 109 Criminal Procedures	3
AJ 111 Narcotics and Vice Control	3
AJ 112 Community Relations	3
AJ 118 Police Supervision	3
AJ 123 Writing for Criminal Justice Professionals	3
AJ 130 Introduction to Probation and Parole	3
AJ 131 Introduction to Corrections	3
AJ 133 Correctional Writing	3
AJ 135 Control and Supervision in Corrections	3
AJ 136 Correctional Interviewing and Counseling	3
AJ 137 Legal Aspects of Corrections	3
AJ 698A Cooperative Education	1
AJ 698B Cooperative Education	2
AJ 698C Cooperative Education	3
AJ 698D Cooperative Education	4
AJ 699A Cooperative Education	1
AJ 699B Cooperative Education	2
AJ 699C Cooperative Education	3
AJ 699D Cooperative Education	4

Additional Acceptable Courses

PHTO 101 Basic Photography	3
Total Units 18	

Automotive Technology

This program is designed to prepare students who wish to seek employment in the automotive technology industry or qualify for a more responsible position within the field.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

	Units
AUTO 100 Automotive Technology and Maintenance for the Consumer	3
AUTO 101 Fundamentals of Automotive Service, Diagnosis and Repair	5
AUTO 142 Drivetrain Systems	5
AUTO 144 Chassis Systems	5
AUTO 146 Automotive Electrical Systems	4
AUTO 148 Engine Control Systems	5
AUTO 151 Engine Service, Diagnosis and Repair	5
AUTO 154 Chassis Service, Diagnosis, and Repair	8
AUTO 156 Automotive Electrical/Electronic Systems I	4
AUTO 162 Drivetrain Service, Diagnosis and Repair	8
AUTO 166 Automotive Electrical/Electronic Systems II	3
AUTO 167 Automotive HVAC Service, Diagnosis & Repair	3
AUTO 168 Engine Control Systems Service, Diagnosis and Repair	8
AUTO 281 Advanced Toyota Certified Technician Training	6.5
AUTO 290 Introduction to the Automotive Aftermarket	1
AUTO 291 Engine Performance Enhancements and Tuning	3
AUTO 292 Advanced Drivetrain Development	2
AUTO 293 Advanced Steering, Suspension Geometry, Brake Design and Analysis	3
AUTO 294 Brake Design and Analysis	3
AUTO 295 Engine Design	4
AUTO 296 Cylinder Head Development	4
AUTO 297 Cylinder Block Development	4
AUTO 298 Special Projects	2

	Units
AUTO 698A Cooperative Education	1
AUTO 698B Cooperative Education	2
AUTO 698C Cooperative Education	3
AUTO 698D Cooperative Education	4
AUTO 699A Cooperative Education	1
AUTO 699B Cooperative Education	2
AUTO 699C Cooperative Education	3
AUTO 699D Cooperative Education	4

Additional Acceptable Course Units

BUS 170 Small Business Management	3
Total Units 18	

Biological and Physical Sciences (and Mathematics)

Courses in the Biological and Physical Sciences and Mathematics examine the physical universe, its life forms, and its natural phenomena. They assist in developing an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities. This category includes introductory or integrative courses in astronomy, biology, chemistry, geology, physics, physical geography and other scientific disciplines

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

ASTRONOMY

ASTR 115 Planetary Astronomy	3
or	
ASTR 115H Planetary Astronomy - Honors	3
ASTR 116 Stellar Astronomy	4
ASTR 117 Life in the Universe	3

BIOLOGY

BIOL 102 Human Genetics	3
BIOL 104 Biology: Contemporary Topics	3
BIOL 105 General Biology	4
BIOL 109 Biology for Educators	4
BIOL 116 HIV and AIDS: Insights and Implications	3
BIOL 124 Principles of Biology I	5
BIOL 125 Principles of Biology II	5
BIOL 145 Environmental Science	3
BIOL 200 Human Anatomy	4

		Units
BIOL 201 Human Physiology		4
BIOL 210 Nutrition		3
BIOL 220 Microbiology		5

CHEMISTRY

CHEM 103 College Chemistry		5
CHEM 104 College Chemistry		5
CHEM 106 Physical Science for Educators		4
CHEM 110 Beginning General Chemistry		5
CHEM 111 General Chemistry		5
CHEM 112 General Chemistry		5
CHEM 210 Organic Chemistry		3
CHEM 211L Organic Chemistry Laboratory		1
CHEM 220 Organic Chemistry		3
CHEM 221L Organic Chemistry Laboratory		1

COMPUTER SCIENCE & INFORMATION SYSTEMS

CSIS 105 Introduction to Windows and Personal Computers		2
CSIS 107 Fundamentals of Information Technology		4
CSIS 111 Introduction to Programming Concepts and Design		4
CSIS 119 Introduction to Web Programming		3
CSIS 130 Microcomputer Applications I		4
CSIS 140 Java Programming		4
CSIS 150 Web Development with Dreamweaver		3
CSIS 154 Web Development with Fireworks		2
CSIS 156 Web Development with Flash		2
CSIS 162 Electronic Spreadsheets Using Microsoft Excel		3
CSIS 166 Introduction to PowerPoint		2
CSIS 167 Introduction to MS Publisher		2
CSIS 168 Designing Web Sites		3
CSIS 175 Introduction to Access		2
CSIS 190 Introduction to Flash Game Programming		4
CSIS 225 Object Oriented Programming with C++		4
CSIS 230 Microcomputer Applications II		4

ENGINEERING

ENGR 122 Engineering Drawing		3
ENGR 125 Introduction to Engineering CAD		2
ENGR 130 Engineering Graphics		3
TECH 100 Principles of Technology		3
IT 104 PC Hardware and Maintenance		4
IT 107 Network Technology		4
IT 108 Networking Operating Systems		4
IT 109 Network and Computer Security		4

WILDLAND RESOURCES AND FORESTRY

	Units
FOR 101 Introduction to Forestry	3
FOR 102 Introduction to Forest Ecology	3
FOR 103 Plant Identification	3
FOR 104 Introduction to Outdoor Recreation	3
FOR 105 Wildland Fire Management	3
FOR 106 Principles of Wildlife Management and Ecology	3

EARTH SCIENCE

ESCI 106 Earth and Space Science for Educators	4
ESCI 118 Physical Geography	3
ESCI 120 Physical Geology	4
ESCI 121 Historical Geology	4
ESCI 122 Geology: Earth History	3
ESCI 124 Environmental Geology	3
ESCI 125 California Geology	4
ESCI 140 The Geology of Death Valley National Park	2
ESCI 141 The Geology of Yosemite National Park	2
ESCI 142 The Geology of Channel Islands National Park	2
ESCI 143 The Geology of Joshua Tree National Park	2
ESCI 145 The Geology of Sequoia National Park	2

MATHEMATICS

MATH 148 Intermediate Algebra I	2.5
MATH 149 Intermediate Algebra II	2.5
MATH 150 Intermediate Algebra	5
MATH 151 Plane Trigonometry	4
MATH 160 Survey of Mathematics	3
MATH 162 Introductory Mathematical Analysis	4
MATH 165 Introductory Statistics	4
or	
MATH 165H Introductory Statistics - Honors	4
MATH 168 Mathematics for Elementary Teachers I	3
MATH 169 Mathematics for Elementary Teachers II	3
MATH 170 College Algebra	3
or	
MATH 170H College Algebra - Honors	3
MATH 175 Pre-Calculus	4
MATH 190 Calculus with Analytic Geometry I	4
MATH 191 Calculus with Analytic Geometry II	4
MATH 210 Calculus with Analytic Geometry III	4
MATH 211 Differential Equations	4
MATH 212 Introduction to Linear Algebra	4

OCEANOGRAPHY

ESCI 130 Physical Oceanography	3
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PHYSICS

PHYS 105 Physical Science	3
PHYS 106 Physical Science for Educators	4
PHYS 110 Introduction to College Physics	4
PHYS 111 Physics for Life Sciences I	4

	Units
PHYS 112 General Physics	4
PHYS 201 Physics	5
PHYS 202 Physics	5
PHYS 203 Physics	5

ADDITIONAL ACCEPTABLE COURSE (Under A.S. Natural Sciences)

Philosophy	
PHIL 110 Philosophy/Logic	3

Total Units 18

*Biological Science

The Associate Degree in Biological Science prepares students for pre-professional careers and a curriculum in a four-year institution leading to a baccalaureate degree in such areas as microbiology, organismal biology, cell and molecular biology, and teaching. The biologist is also prepared to enter graduate or professional programs of specialized study such as medicine, dentistry, medical technology, osteopathy, veterinary medicine, agriculture, forestry, optometry, and dental hygiene.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

REQUIRED COURSES:

BIOL 124 Principles of Biology I	5
BIOL 125 Principles of Biology II	5
CHEM 111 General Chemistry	5
CHEM 112 General Chemistry	5
MATH 190 Calculus with Analytic Geometry I	4
MATH 165 Introductory Statistics	4
or	
MATH 191 Calculus with Analytic Geometry II	4

Total Units 28

*Pending chancellor's office approval

Business

The Business Program encompasses a broad area of study that includes business management, business law, marketing, business ethics, personal finance and business communication skills. The Citrus College Business Department conducts the Business Program with outstanding faculty to prepare students to transfer to four-year institutions, for professional careers, and/or personal growth. The program combines classroom lectures, demonstrations and practical application within the business environment.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

ACCOUNTING		Units
ACCT 100	Accounting	3
ACCT 101	Financial Accounting	4
ACCT 101H	Financial Accounting - Honors	4
ACCT 102	Managerial Accounting	4
ACCT 110	Income Tax Accounting	4
ACCT 115	QuickBooks	2

BUSINESS		Units
BUS 130	Introduction to Business	3
BUS 132	Ethics in Business	3
BUS 140	International Business	3
BUS 146	Personal Finance	3
BUS 150	Business English	3
BUS 152	Business Communications	3
BUS 160	Business Law and the Legal Environment I	3
BUS 161	Business Law and the Legal Environment II	3
BUS 170	Small Business Management	3
BUS 172	Personnel Management	3
BUS 175	Introduction to Management	3
BUS 176	Management for the Office Professional	3
BUS 185	Elements of Marketing	3
BUS 192	Advertising	3
BUS 246	Personal Investments	3

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSIS 105	Introduction to Windows and Personal Computers	2
CSIS 107	Fundamentals of Information Technology	4
CSIS 111	Introduction to Programming Concepts and Design	4

	Units	
CSIS 119	Introduction to Web Programming	3
CSIS 130	Microcomputer Applications I	4
CSIS 140	Java Programming with Game Applications	4
CSIS 150	Web Development with Dreamweaver	3
CSIS 156	Web Development with Flash	2
CSIS 162	Electronic Spreadsheets Using Microsoft Excel	3
CSIS 166	Introduction of PowerPoint	2
CSIS 167	Introduction to MS Publisher	2
CSIS 168	Designing Web Sites	3
CSIS 175	Introduction to Access	3
CSIS 190	Introduction to Flash Game Programming	4
CSIS 225	Object Oriented Programming with C++	4
CSIS 230	Microcomputer Applications II	4

OFFICE TECHNOLOGY

OFF 101	Introduction to Microsoft Office Applications	3
OFF 120	Excel Spreadsheet	2
OFF 154	Professional Development – Interpersonal Skills	1
OFF 155	Professional Development Series – Business Etiquette and Protocol	1
OFF 156	Professional Development Series: Team Dynamics	1
OFF 157	Professional Development Series: Customer Relations and Rapport	1
OFF 158	Professional Development Series: Leadership in Organizations	1
OFF 159	Professional Development Series: Career Planning and Networking	1
OFF 160	Professional Development Series: Professional Image	1
OFF 161	Professional Development Series: Interview Styles & Strategies	1
OFF 201	Introduction to Electronic Commerce for Business	2
OFF 215	Introduction to Microsoft Outlook	2
OFF 260	Computer Keyboarding and Document Processing	3
OFF 281	Filing and Records Management	3
OFF 291	Telecommunications for the Office	2
OFF 294	Beginning Microsoft Word	2

REAL ESTATE

REAL 210	Real Estate Principles	3
REAL 212	Real Estate Practice	3
REAL 214	Real Estate Finance	3
REAL 216	Legal Aspects of Estate Practice	3

Additional Acceptable Courses		Units
ECON 101	Principles of Economics or	3
ECON 101H	Principles of Economics - Honors	3
ECON 102	Principles of Economics	3
MATH 162	Introductory Mathematical Analysis	4
MATH 165	Introductory Statistics	4
Total Units 18		

*Child Development

The curriculum leads to an associate in science degree and meets the educational requirements for employment as a teacher or assistant teacher in preschools and children's centers.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Category A	Units
Three Units of Child Development	
Select one of the following:	
CHLD 110	Early Childhood Development or
PSY 206	Child Growth and Development or
PSY 206H	Child Growth and Development-Honors

Category B

Required Major Courses:

CHLD 112	Principles of Early Childhood Education I	3
CHLD 114	Home-Child-Community Relations	3
CHLD 116	Introduction to Curriculum	3
CHLD 144	Health, Safety and Nutrition for Young Children	3
CHLD 150	Multi-Culture Anti-Bias Classrooms	3
CHLD 154	Observing and Recording Behavior	3

Category C

Practicum (Fieldwork) Course & Lab

Select one of the following practicum and lab courses:

CHLD 156	Practicum A in Early Childhood Education and	2
CHLD 156L	Practicum A Lab or	1
CHLD 158	Practicum B in Early Childhood Education and	2
CHLD 158L	Practicum B Lab	1

Note: In order to obtain a permit from the State, 175 hours of verifiable experience working with young children is also required.

Total Units 24

*Pending chancellor's office approval

Cosmetology

Upon successful completion of the Cosmetology Program of study in lecture and lab experience in COS 141, 151, 161A, 161B, 172A, 172B, 178A, 178B, 181A, 181B, 182 and 183, the student will be issued 56 units of credit and will be eligible to take the State Board of Cosmetology examination to become a licensed cosmetologist. Of these 56 units, 18 units can be applied towards an associate of science degree.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Coursework:	Units	
COS 141	Introduction to Cosmetology	12
COS 151	Salon Success	4
COS 161A	Haircolor I	4
COS 161B	Haircolor II	4
COS 172A	Hair Design I	4
COS 172B	Hair Design II	4
COS 178A	Chemical Texturizing I	4
COS 178B	Chemical Texturizing II	4
COS 181A	Hairsculpting I	4
COS 181B	Hairsculpting II	4
COS 182	Skin Care	4
COS 183	Nail Care	4
Total Units 56		

*Dance

The Dance Program provides a foundational dance background, encompassing a strong emphasis in various dance techniques as well as history, basic kinesiology and a performance practicum.

Note that all courses listed must be successfully completed.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Dance Technique

DANC 158	Hip Hop Dance Techniques	1
DANC 159	Beginning Tap	1
DANC 160	Beginning Jazz Dance	1
DANC 161	Beginning Modern Dance	1
DANC 162	Beginning Ballet	1
DANC 259	Intermediate Tap I	1

	Units
DANC 260 Intermediate Jazz Dance I	1
DANC 262 Intermediate Ballet I	1
DANC 270 Intermediate Jazz Dance II	1
DANC 272 Intermediate Ballet II	1

Dance History

DANC 102 History of Dance	3
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Kinesiology

DANC 130 Alignment and Correctives	2
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Performance Practicum

DANC 289 Dance Concert Production	3
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Total Units 18

*Pending chancellor's office approval

Dental Assisting

The Dental Assisting Program prepares students for the California State Registered Dental Assistant Examination. This program is accredited by the American Dental Association Commission on Accreditation and the California State Board of Dental Examiners. Upon completion, the graduate is eligible to sit for the California State Registered Dental Assistant Examination and the National Certification Examination.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

REQUIRED COURSES

DENT 100 Dental Assisting Basics	2.5
DENT 101 Introduction to Dental Assisting	3
DENT 102 Dental Materials	2.5
DENT 121 Preclinical Dental Science	2
DENT 122 Infection Control in the Dental Office	1.5
DENT 123 Preventive Dental Health	2
DENT 124 Dental Specialties	2
DENT 125 Dental Practice Management	2
DENT 201 Dental Radiology	2
DENT 202 Registered Dental Assistant	4
DENT 203 Dental Practical Experience	5.5
DENT 204 RDA Clinical Procedures	1

Total Units 30



The Dental Assisting Program at Citrus College offers the associate in science degree, certificate of achievement and prepares students for the California State Board and National Certification exams. Over 95% of the college's dental assisting students pass the State Boards.

Drafting Technology

Drafting includes such majors as electronics, engineering and architecture. Architectural courses, lighting design courses and mechanical drafting courses are offered in alignment with the transfer program.

Please select 18 "degree appropriate" units from the courses below:

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

DRAF 100 Beginning Computer Aided Design (CAD)	3
DRAF 101 CAD (Computer Aided Design) and Mechanical Drawing	3

	Units	
DRAF 102	Technical Illustration	2.5
DRAF 103	Advanced Mechanical Drawing	3
DRAF 109	Intermediate Computer Aided Drafting (CAD)	2.5
DRAF 111	Advanced Computer Aided Design and Drafting - Mechanical (CADD)	2.5
DRAF 149	Introduction to Portfolio Preparation	3
DRAF 150	Introduction to Architecture	3
DRAF 151	Basic Floor Plans and Functional Design	3
DRAF 152	Basic Residential Structure Design and Drafting	3
DRAF 153	Advanced Residential Detailing and Design	3
DRAF 154	Commercial and Industrial Buildings	3
DRAF 158	Perspective	2
DRAF 160	Introduction to Architectural CAD	2
DRAF 161	Residential CAD	2
DRAF 189	History and Theory of Design	3
DRAF 190	Computer Imaging Practices for Industry and Architecture	3
DRAF 290	Learning Maya Introduction	3
DRAF 291	Learning Maya Transitions	3
DRAF 294	Maya Rendering 4.5	3
DRAF 296	Maya/Accelerator	3
DRAF 198	Special Problems in Drafting	1
DRAF 698A	Cooperative Education	1
DRAF 698B	Cooperative Education	2
DRAF 698C	Cooperative Education	3
DRAF 698D	Cooperative Education	4
DRAF 699A	Cooperative Education	1
DRAF 699B	Cooperative Education	2
DRAF 699C	Cooperative Education	3
DRAF 699D	Cooperative Education	4

Additional acceptable courses	Units	
ART 111	Beginning Drawing	3
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
MATH 150	Intermediate Algebra	5
MATH 151	Plane Trigonometry	4
PHYS 110	Introduction to College Physics	4
Total Units 18		

Emergency Management and Homeland Security

The associate of science degree program will provide both students and currently working emergency managers the required courses and learning domains to apply for employment with emergency management agencies, such as the local cities and county governments in California; non-profit organizations such as the American Red Cross; and federal agencies such as

the Department of Homeland Security (FEMA). Additionally, those currently working in the field will have a recognized degree.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

REQUIRED COURSES:	Units	
EMER 162	Principles of Emergency Management	3
EMER 163	Terrorism and Emergency Management	3
EMER 164	Managing Hazardous Materials Incidents	3
EMER 166	Emergency Planning and Methodology	3
EMER 167	Practical Applications of Emergency Management	3

Plus a minimum of 6 units selected from the following:

EMER 168	Emergency Operations Center (EOC) Management	3
ESCI 180	Introduction to Geographic Information Systems	3
HEAL 161	Emergency Medical Technician - Basic	7
Total Units 21		

Energy Systems Technology

This degree program prepares students to work in a variety of building energy system professions. Core classes are taken by all students and pathways are designed to create mastery in specialty fields. Careers include design, installation, and maintenance of building systems.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Complete all of the following Energy Systems Technology core courses:

BUS 152	Business Communications	3
DRAF 699	Cooperative Education	1 - 4
EST 101	Introduction to Building Systems	1
EST 150	Green Building Systems Technology	3
HEAT 170	Air Conditioning I	2
TECH 100	Principles of Technology	3

Building Systems Design Technician Emphasis

Please complete the following courses:

	Units
DRAF 100 Beginning Computer Aided Design (CAD)	3
DRAF 154 Commercial and Industrial Buildings	3
ELEC 101 Electronics Fundamentals	4
ENGR 125 Introduction to Engineering CAD	2
PUB 164 Plan Interpretation and Cost Estimating	3

OR

Building Maintenance & Operations Technician Emphasis

Please complete the following courses:

ELEC 101 Electronics Fundamentals	4
ELEC 102 Electronics Communications	4
HEAT 184 Electricity for Heating and Air Conditioning	2
HEAT 186 Control Systems	2
HEAT 188 Trouble Shooting Heating and Air Conditioning	2

Total Units 27-31

English Literature

The associate of arts degree in English Literature provides students with a strong foundation in literature to better prepare them for transfer into a four-year English program. Core coursework explores primarily British and American writers through an array of literary traditions, providing opportunities for students to express their understanding and appreciation of the literary world through analysis, research and composition. **This degree requires 18 units, of which 12 are required courses. An additional six units must be selected from the listed optional courses.**

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Courses:

ENGL 101 Reading and Composition	3
or	
ENGL 101H Reading and Composition - Honors	3
or	
ENGL 104 Advanced Rhetoric: The Classical Essay	3
or	
ENGL 103 Composition and Critical Thinking	3
or	
ENGL 103H Composition and Critical Thinking - Honors	3
or	
ENGL 251 Introduction to English Literature I	3
or	
ENGL 252 Introduction to English Literature II	3

	Units
ENGL 261 Introduction to U.S. American Literature I	3
or	
ENGL 262 Introduction to U.S. American Literature II	3

Optional Courses

Select two of the following courses:

ENGL 213 Horror Literature	3
or	
ENGL 213H Horror Literature - Honors	3
ENGL 271 Introduction to World Literature: Ancient - Early Modern	3
ENGL 272 Introduction to World Literature: 1600's through Twentieth Century	3
ENGL 291 Film as Literature	3
or	
ENGL 291H Film as Literature - Honors	3
ENGL 293 Children's Literature	3
or	
ENGL 293H Children's Literature - Honors	3
ENGL 294 Introduction to Shakespeare	3
ENGL 296 Introduction to Folklore	3
ENGL 298 Literature of the Bible	3
ENGL 251 Introduction to English Literature I	3
or	
ENGL 252 Introduction to English Literature II	3
ENGL 261 Introduction to U.S. American Literature I	3
or	
ENGL 262 Introduction to U.S. American Literature II	3

Total Units 18

Fine and Performing Arts

The Fine and Performing Arts curriculum offers instruction in theory, practice and history. These three areas of study provide the foundation needed to begin a career in commercial or fine and performing arts. The foundation courses meet prerequisite requirements to UC, CSU systems and four-year art schools.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

	Units
ART 100 Art History and Appreciation - Fundamentals	3

		Units			Units
ART 101	Art History and Appreciation - Ancient	3	DANCE	DANC 102	3
ART 102	Art History and Appreciation - Medieval	3		DANC 130	2
ART 103	Art History and Appreciation - Renaissance to Rococo	3		DANC 159	1
ART 104	Art History and Appreciation - 19th Century Art	3		DANC 160	1
ART 105	Art History and Appreciation - Early 20th Century Art	3		DANC 161	1
ART 106	Art History and Appreciation - Pre-Columbian	3		DANC 162	1
ART 110	Introduction to the Visual Arts	3		DANC 172	2
ART 111	Beginning Drawing	3		DANC 259	1
ART 112	Intermediate Drawing	3		DANC 260	1
ART 115	Figure Drawing I	3		DANC 261	1
ART 116	Figure Drawing II	3		DANC 262	1
ART 120	Two-Dimensional Design	3		DANC 263	4
ART 121	Three-Dimensional Design	3		DANC 264	4
ART 122	Color Theory and Composition	3		DANC 265	2
ART 130	Beginning Painting	3		DANC 266	2
ART 131	Intermediate Painting	3		DANC 269	1
ART 140	Beginning Ceramics	3		DANC 270	1
ART 141	Intermediate Ceramics	3		DANC 271	1
ART 142	Experimental Ceramics	3		DANC 272	1
ART 143	Ceramic Handbuilding	3		DANC 279	1
ART 145	Ceramic Design and Decoration	3		DANC 281	1
ART 149	Studio Problems in Ceramics	1		DANC 289	3
ART 150	Computer Art Basics	3			
ART 153	Digital Media Production I	3	THEATER ARTS - DRAMA		
ART 158	Commercial Graphic Design	3		THEA 101	3
ART 162	Computer Graphics I	3		THEA 104	3
ART 163	Computer Graphics II	3		THEA 120	3
ART 167	Web Design I	3			
ART 168	Animation I	3		THEA 125	2
ART 180	Beginning Clay Sculpture	3		THEA 130	3
ART 181	Intermediate Clay Sculpture	3		THEA 140	3
ART 182	Advanced Clay Sculpture I	3			
ART 183	Advanced Clay Sculpture II	3		THEA 150	3
ART 184	Sculpture and Metalwork	3			
ART 188	Multimedia Portfolio and Resume Production	3		THEA 160	4
ART 189	Art Portfolio and Resume Production	3		THEA 200	3
ART 199	Motion Picture Appreciation	3		THEA 201	3
ART 200	History of Motion Pictures	3		THEA 202	3
ART 201	History of Motion Pictures II	3		THEA 204	3
ART 206	History of Latin American Art	3		THEA 210	3
ART 207	History of Asian Art – China, Korea, and Japan	3		THEA 211	3
ART 234	Beginning Watercolor Painting	3		THEA 220	3
ART 235	Intermediate Watercolor Painting	3		THEA 241	3
ART 236	Advanced Watercolor Painting	3		THEA 245	3
ART 240	Advanced Ceramics I	3			
ART 241	Advanced Ceramics II	3		THEA 250	3
ART 253	Digital Media Production II	3		THEA 260	3
ART 267	Web Design II	3			
ART 268	Animation II	3		THEA 284	3

	Units		Units
THEA 290	3	MUS 201	2
THEA 292	3	MUS 202	3
THEA 293	3	MUS 203	3
THEA 294	3	MUS 218	3
		MUS 225	3
MUSIC		Instrumental Courses	
Commercial Courses		MUS 123	2
MUS 129	2	MUS 124	2
MUS 131	3	MUS 125	2
MUS 132	1	MUS 137	1
MUS 139	2	MUS 138	1
MUS 140	2	MUS 152	1
MUS 141	2	MUS 153	4
MUS 145	4	MUS 154	3
MUS 146	2	MUS 155	2
MUS 147	2	MUS 157	1
MUS 150	3	MUS 158	1
MUS 172	2	MUS 161	3
MUS 209	4	MUS 205	2
MUS 211	4	MUS 206	2
MUS 212	4	MUS 207	2
MUS 213	3	MUS 208	4
MUS 214	3	MUS 216	3
MUS 215	4	MUS 217	4
MUS 220	2	MUS 221	2
MUS 228	7	MUS 223	1
MUS 290	2	MUS 226	3
MUS 291	2	MUS 227	4
MUS 292	2	MUS 229	3
		MUS 234	4
		MUS 235	2
		MUS 236	2
		MUS 244	4
		MUS 252	1
History and Theory Courses		Vocal Courses	
MUS 100	2	MUS 115	2
MUS 101	2	MUS 116	4
MUS 102	3	MUS 117	3
MUS 103	3	MUS 118	3
MUS 105	2	MUS 119	3
MUS 106	2	MUS 120	2
MUS 107	4	MUS 121	3
MUS 108	1	MUS 126	4
MUS 109	1	MUS 210	2
MUS 110	3	MUS 222	4
MUS 111	3	MUS 230	2
MUS 112	3	MUS 231	2
MUS 113	3	MUS 232	4
MUS 114	3	MUS 233	3
MUS 122	2	MUS 242	4
MUS 160	2	MUS 277	3
MUS 162	2		
MUS 170	3		
MUS 200	2		

Additional Acceptable Courses		Units
Philosophy		
PHIL 101	Great Religions of the World	3
PHIL 106	Introduction to Philosophy	3
PHIL 108	Philosophy/Ethics	3
English		
ENGL 294	Introduction to Shakespeare	3
Humanities		
HUM 101	Humanities	3
or		
HUM 101H	Humanities - Honors	3
HUM 102	Humanities	3
HUM 110	Humanities in the 20th Century	3
HUM 111	Humanities through the Arts	3
Total Units		18

Language Arts

Courses in language arts develop the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation of communication in whatever symbol system the student uses.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

COMMUNICATION

COMM 100	Mass Media and Society	3
COMM 101	Reporting and Writing News	3
COMM 103	Freelance Journalism	1
or		
COMM 103H	Freelance Journalism - Honors	1
COMM 104	Public Relations	3
COMM 136	Cultural History of American Films	3
COMM 200	Visual Communications	3
COMM 202	Writing Broadcast News	3
COMM 230	Desktop Publishing	3
COMM 240	Newspaper Production Staff	3
COMM 245	Editorial Board Workshop	2
COMM 280	Magazine Production Staff	3

ENGLISH

ENGL 101	Reading and Composition	3
or		
ENGL 101H	Reading and Composition - Honors	3
ENGL 102	Introduction to Literature	3
ENGL 103	Composition and Critical Thinking	3
or		
ENGL 103H	Composition and Critical Thinking - Honors	3

		Units
ENGL 104	Advanced Rhetoric: The Classical Essay	3
ENGL 210	Creative Writing I	3
ENGL 213	Horror Literature	3
or		
ENGL 213H	Horror Literature - Honors	3
ENGL 251	Introduction to English Literature I	3
ENGL 252	Introduction to English Literature II	3
ENGL 261	Introduction to U.S. American Literature I	3
ENGL 262	Introduction to U.S. American Literature II	3
ENGL 271	Introduction to World Literature: Ancient - Early Modern	3
ENGL 272	Introduction to World Literature: 1600's through Twentieth Century	3
ENGL 291	Film as Literature	3
or		
ENGL 291H	Film as Literature - Honors	3
ENGL 293	Children's Literature	3
or		
ENGL 293H	Children's Literature - Honors	3
ENGL 294	Introduction to Shakespeare	3
ENGL 296	Introduction to Folklore	3
ENGL 298	Literature of the Bible	3

FRENCH

FREN 101	French I	5
FREN 102	French II	5
FREN 201	French III	5
FREN 202	French IV	5

GERMAN

GER 101	German I	5
GER 102	German II	5
GER 201	German III	5
GER 202	German IV	5

SPANISH

SPAN 101	Spanish I	5
SPAN 102	Spanish II	5
SPAN 140	Beginning Conversational Spanish	3
SPAN 141	Intermediate Conversational Spanish	3
SPAN 150	Spanish for Public Service Personnel	3
SPAN 201	Spanish III	5
SPAN 202	Spanish IV	5
SPAN 210	Intermediate Spanish for Speakers of Spanish	5
SPAN 211	Reading and Composition for Speakers of Spanish II	5

SPEECH

SPCH 100	Interpersonal Communication	3
SPCH 101	Public Address	3
or		
SPCH 101H	Public Address - Honors	3

		Units
SPCH 103	Argumentation and Debate	3
SPCH 106	Small Group Communication	3
SPCH 210	Forensics	3

Additional Acceptable Courses for an A.A. in Language Arts

ESL 101	Reading and Composition	3
LIBT 102	Reference Sources and Research Methods	3
HUM 101	Humanities	3
	or	
HUM 101H	Humanities - Honors	3
HUM 102	Humanities	3
HUM 110	Humanities in the 20th Century	3
HUM 111	Humanities through the Arts	3

Total Units 18

Liberal Arts with Areas of Emphasis

The associate degree in Liberal Arts is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis." This area of emphasis would be an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable coursework that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.

This program is intended for students who are planning to transfer to a four-year university. Students are required to complete the general education requirements listed on the IGETC or CSU Breadth advising forms, 60 transferable units, along with a minimum of 18 units in one area of emphasis. Upon completion of the IGETC and CSU Breadth, 18 units in an area of emphasis, 60 transferable units, and meeting the graduation competency and local requirements students may petition for an AA degree in liberal arts with areas of emphasis.

Emphasis in Math and Science

These courses emphasize the natural sciences, which examine the physical universe, its life forms and its natural phenomena. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on human experience. This emphasis includes lower-division coursework that prepares students for majors in science and engineering, math and health related fields. **Choose at least**

one course from each category (A & B) and then complete additional courses in categories A or B to total 18 units.

A) Science		Units
ANTH 212	Introduction to Physical Anthropology	3
ANTH 212L	Introduction to Physical Anthropology Lab	1
ASTR 115	Planetary Astronomy	3
	or	
ASTR 115H	Planetary Astronomy - Honors	3
ASTR 116	Stellar Astronomy	4
ASTR 117	Life In The Universe	3
BIOL 104	Biology: Contemporary Topics	3
BIOL 105	General Biology	4
BIOL 109	Biology for Educators	4
BIOL 124	Principles of Biology I	5
BIOL 125	Principles of Biology II	5
BIOL 145	Environmental Science	3
BIOL 200	Human Anatomy	4
BIOL 201	Human Physiology	4
BIOL 220	Microbiology	5
CHEM 103	College Chemistry	5
CHEM 104	College Chemistry	5
CHEM 106	Physical Science for Educators	4
CHEM 110	Beginning General Chemistry	5
CHEM 112	General Chemistry	5
CHEM 210	Organic Chemistry	3
CHEM 211L	Organic Chemistry Laboratory	1
CHEM 220	Organic Chemistry	3
CHEM 221L	Organic Chemistry Laboratory	1
ESCI 106	Earth and Space Science for Educators	4
ESCI 118	Physical Geography	3
ESCI 120	Physical Geology	4
ESCI 121	Historical Geology	4
ESCI 122	Geology: Earth History	3
ESCI 124	Environmental Geology	3
ESCI 130	Physical Oceanography	3
PHYS 105	Physical Science	3
PHYS 106	Physical Science for Educators	4
PHYS 110	Introduction to College Physics	4
PHYS 111	Physics for Life Sciences I	4
PHYS 112	General Physics	4
PHYS 201	Physics	5
PHYS 202	Physics	5
B) Mathematics		
MATH 151	Plane Trigonometry	4
MATH 160	Survey of Mathematics	3
MATH 162	Introductory Mathematical Analysis	4
MATH 165	Introductory Statistics	4
	or	
MATH 165H	Introductory Statistics - Honors	4
MATH 169	Mathematics for Elementary Teachers II	3
MATH 170	College Algebra	3

	Units
MATH 175 Pre-Calculus	4
MATH 190 Calculus with Analytic Geometry I	4
MATH 191 Calculus with Analytic Geometry II	4
MATH 210 Calculus with Analytic Geometry III	4
MATH 211 Differential Equations	4
MATH 212 Introduction to Linear Algebra	4

Emphasis in Arts and Humanities

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

This emphasis includes lower division coursework that prepares students for possible majors in the areas of fine arts, foreign languages, literature, and philosophy.

Choose at least one course from each category (A and B) and then complete additional courses in categories A or B to total 18 units.

A. Arts

ART 100 Art History and Appreciation - Fundamentals	3
ART 101 Art History and Appreciation - Ancient	3
ART 102 Art History and Appreciation - Medieval	3
ART 103 Art History and Appreciation - Renaissance to Rococo	3
ART 104 Art History and Appreciation - 19th Century Art	3
ART 105 Art History and Appreciation - Early 20th Century Art	3
ART 106 Art History and Appreciation - Pre-Columbian	3
ART 110 Introduction to the Visual Arts	3
ART 111 Beginning Drawing	3
ART 112 Intermediate Drawing	3
ART 120 Two-Dimensional Design	3
ART 121 Three-Dimensional Design	3
ART 130 Beginning Painting	3
ART 140 Beginning Ceramics	3
ART 199 Motion Picture Appreciation	3
ART 200 History of Motion Pictures	3
ART 201 History of Motion Pictures	3
ART 206 History of Latin American Art	3
ART 207 History of Asian Art – China, Korea, and Japan	3
COMM 100 Mass Media and Society	3
COMM 136 Cultural History of American Films	3
DANC 102 History of Dance	3
DANC 130 Alignment and Correctives	2
DANC 159 Beginning Tap	1
DANC 160 Jazz Dance Techniques	1
DANC 161 Beginning Modern Dance	1

	Units
DANC 162 Beginning Ballet	1
DANC 259 Intermediate Tap I	1
DANC 260 Intermediate Jazz Dance I	1
DANC 261 Intermediate Modern Dance I	1
DANC 262 Intermediate Ballet I	1
DANC 289 Dance Concert Production	3
MUS 105 Elementary Piano I	2
MUS 110 History of Music I	3
MUS 111 History of Music II	3
MUS 113 History of Rock and Roll	3
MUS 114 Music Appreciation	3
MUS 200 Musicianship	2
MUS 201 Musicianship	2
MUS 202 Harmony	3
MUS 203 Harmony	3
MUS 218 History of Jazz	3
MUS 225 Introduction to American Music	3
MUS 290 Applied Music	2
MUS 291 Applied Music / Individual Instruction (Classical)	2
PHTO 101 Basic Photography	3
THEA 101 Introduction to Theatre Arts	3
THEA 120 Introduction to Tech for Theatre, TV and Film	3
THEA 125 Technical Theatre Production	2
THEA 200 The Art of the Theatre	3
THEA 201 Acting Fundamentals I	3
THEA 202 Acting Fundamentals II	3
B. Humanities	
COMM 200 Visual Communications	3
ENGL 102 Introduction to Literature	3
ENGL 210 Creative Writing I	3
ENGL 213 Horror Literature	3
or	
ENGL 213H Horror Literature - Honors	3
ENGL 251 Introduction to English Literature I	3
ENGL 252 Introduction to English Literature II	3
ENGL 261 Introduction to U.S. American Literature I	3
ENGL 262 Introduction to U.S. American Literature II	3
ENGL 271 Introduction to World Literature: Ancient - Early Modern	3
ENGL 272 Introduction to World Literature: 1600's through Twentieth Century	3
ENGL 291 Film as Literature	3
or	
ENGL 291H Film as Literature - Honors	3
ENGL 293 Children's Literature	3
or	
ENGL 293H Children's Literature - Honors	3
ENGL 294 Introduction to Shakespeare	3
ENGL 296 Introduction to Folklore	3
ENGL 298 Literature of the Bible	3
FREN 101 French I	5

	Units	
FREN 102	French II	5
FREN 201	French III	5
FREN 202	French IV	5
GER 101	German I	5
GER 102	German II	5
GER 201	German III	5
GER 202	German IV	5
HIST 103	History of World Civilization up to 1500 - Honors	3
	or	
HIST 103H	History of World Civilization up to 1500 - Honors	3
HIST 140	History of the American West	3
HUM 101	Humanities	3
	or	
HUM 101H	Humanities - Honors	3
HUM 102	Humanities	3
HUM 110	Humanities in the 20th Century	3
HUM 111	Humanities through the Arts	3
JPN 101	Japanese I	5
JPN 102	Japanese II	5
PHIL 101	Great Religions of the World	3
PHIL 106	Introduction to Philosophy	3
	or	
PHIL 106H	Introduction to Philosophy - Honors	3
PHIL 108	Philosophy/Ethics	3
SPAN 101	Spanish I	5
SPAN 102	Spanish II	5
SPAN 201	Spanish III	5
SPAN 202	Spanish IV	5
SPAN 210	Intermediate Spanish for Speakers of Spanish	5
SPAN 211	Reading and Composition for Speakers of Spanish II	5

Emphasis in Social and Behavioral Sciences

These courses emphasize the perspective, concepts, theories and methodologies of the variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study human experience in the context of the larger society. Students will study how individuals, social subgroups, and societies operate in relation to each other. This emphasis includes lower division coursework that prepares students for majors in the areas of social or behavioral sciences such as anthropology, history, political science, psychology and sociology.

Choose 18 units of coursework, including 2 or more disciplines, from the following list:

ANTH 210	Introduction to Cultural Anthropology	3
	or	
ANTH 210H	Introduction to Cultural Anthropology - Honors	3
ANTH 214	Native North America	3
ANTH 216	Sex and Gender in a Cross Cultural Perspective	3
ANTH 220	Introduction to Archaeology	3

	Units	
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics	3
	or	
ECON 101H	Principles of Economics - Honors	3
ECON 102	Principles of Economics	3
GEOG 102	Cultural Geography	3
HIST 103	History of World Civilization up to 1500	3
	or	
HIST 103H	History of World Civilization up to 1500 - Honors	3
HIST 104	History of World Civilization since 1500	3
HIST 105	History of World Civilization - The 20th Century	3
HIST 107	History of the United States before 1877	3
	or	
HIST 107H	History of the United States before 1877 - Honors	3
HIST 108	Political and Social History of the United States	3
	or	
HIST 108H	Political and Social History of the United States - Honors	3
HIST 109	The World in Conflict - The 20th Century, a History	3
HIST 110	A Survey History of Africa	3
HIST 111	History of the African-Americans	3
HIST 112	History of the African-Americans	3
HIST 120	British Life and Culture	3
HIST 127	Spanish Civilization	3
HIST 139	History of California	3
HIST 140	History of the American West	3
HIST 145	History of Mexico	3
HIST 155	History of the Vietnam War	3
HIST 222	History of World War II	3
LING 101	Introduction to Language and Linguistics	3
POLI 103	American Government and Politics	3
	or	
POLI 103H	American Government and Politics - Honors	3
POLI 104	Introduction to Political Science	3
POLI 105	Comparative Politics	3
POLI 110	Current American Political Affairs	3
POLI 116	International Relations	3
PSY 101	Introduction to Psychology	3
PSY 102	Psychobiology	3
PSY 110	Psychology of Religion I	3
PSY 111	Psychology of Religion II	3
PSY 152	Psychology of Human Relations	3
PSY 133	Personal and Social Growth	3
PSY 203	Research Methods in the Behavioral Sciences	3
PSY 205	Developmental Psychology	3
PSY 206	Child Growth and Development	3
	or	

	Units
PSY 206H Child Growth and Development - Honors	3
PSY 212 Abnormal Psychology	3
PSY 213 Survey of Drug and Alcohol Use and Abuse	
PSY 220 Introduction to Social Psychology	3
PSY 225 Psychology of Human Sexuality	3
PSY 226 Psychology of Women	3
SOC 118 Minorities in America	3
SOC 122 Introduction to Latino Studies	3
SOC 201 Introduction to Sociology	3
or	
SOC 201H Introduction to Sociology - Honors	3
SOC 202 Contemporary Social Problems	3
SOC 114 Marriage, Family, and Intimate Relations	3
SOC 216 Sex and Gender in a Cross Cultural Perspective	3

May include up to four units from:

MATH 165 Introductory Statistics	4
or	
MATH 165H Introductory Statistics - Honors	4
MATH 190 Calculus with Analytic Geometry I	4

Emphasis in Business Technology

These courses emphasize the integration of theory and practice within the fields of business and technology. Students will develop the ability to effectively manage and lead organizations. Students will demonstrate an understanding of business and technology's place within the global economy.

This emphasis includes lower division coursework that prepares students for majors in the areas of Technology and Business such as accounting, computer information systems, economics, finance, human resources, international business, management and marketing at a four-year institution.

Choose 18 units of coursework, including 2 or more disciplines, from the following list:

ACCT 101 Financial Accounting	4
or	
ACCT 101H Financial Accounting - Honors	4
ACCT 102 Managerial Accounting	4
BUS 130 Introduction to Business	3
BUS 160 Business Law and the Legal Environment I	3
BUS 161 Business Law and the Legal Environment II	3
CSIS 111 Introduction to Programming Concepts and Design	4
CSIS 130 Microcomputer Applications I - Introductory MS Office	4
CSIS 140 Java Programming with Game Applications	4

	Units
CSIS 225 Object Oriented Programming with C++	4
ECON 101 Principles of Economics	3
or	
ECON 101H Principles of Economics - Honors	3
ECON 102 Principles of Economics	3
REAL 210 Real Estate Principles	3

May include up to 4 units from the following courses:

MATH 162 Introductory Mathematical Analysis	4
MATH 165 Introductory Statistics	4
MATH 190 Calculus with Analytic Geometry I	4
MATH 191 Calculus with Analytic Geometry II	4

Total Units 18

Library Technology

The Library Technology Program trains students for paraprofessional work in school, academic, research, public and special libraries.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Courses:

CSIS 130 Microcomputer Applications I	4
LIBT 101 Introduction to Library Public Services	2
LIBT 102 Information Sources and Research Methods	3
LIBT 201 Introduction to Cataloging	3
LIBT 203 Introduction to Acquisitions	2
LIBT 295 Audiovisual Services	3

Additional Acceptable Courses:

BUS 152 Business Communications	3
BUS 175 Introduction to Management	3
BUS 192 Advertising	3
COMM 104 Public Relations	3
ENGL 293 Children's Literature	3
or	
ENGL 293H Children's Literature - Honors	3
ENGL 296 Introduction to Folklore	3
LIBT 290 Children's Library Services	2

Total Units 18

Mathematics

The purpose of this program is to prepare students for a career in mathematics. The problem solving skills taught in mathematics prepare students for a great number of job opportunities. A four-year degree could

lead to employment in academics, a government agency, or an insurance agency. This major can also serve as a basis for careers in engineering, science, data processing, actuarial science, and dispensing opticians. The degree prepares students for transfer into the junior year of a baccalaureate degree program in mathematics or related areas such as statistical or actuarial fields.

A course may be used only once to fulfill degree requirements.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required courses:		Units
MATH 190	Calculus with Analytic Geometry I	4
MATH 191	Calculus with Analytic Geometry II	4
MATH 210	Calculus with Analytic Geometry III	4

Select two of the following:

MATH 211	Differential Equations	4
MATH 212	Introduction to Linear Algebra	4
PHYS 201	Physics	5

Total Units 20-21

*Music

The Music Program provides a foundational musical background, including music theory, history, rudimentary piano competency, performance and techniques/application.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Theory

2 units Musicianship and 3 units Harmony

MUS 100	Musicianship	2
MUS 101	Musicianship	2
MUS 200	Musicianship	2
MUS 201	Musicianship	2
MUS 102	Harmony	3
MUS 103	Harmony	3
MUS 202	Harmony	3
MUS 203	Harmony	3

History

Select 1 course from the following:

MUS 110	History of Music I	3
MUS 111	History of Music II	3
MUS 113	History of Rock & Roll	3
MUS 114	Music Appreciation	3
MUS 218	History of Jazz	3
MUS 225	Introduction to American Music	3

Piano

Units

Select 1 course from the following:

MUS 105	Elementary Piano I	2
MUS 106	Elementary Piano II	2
MUS 161	Keyboard Skills for the Music Major	3
MUS 205	Intermediate Piano I	2
MUS 206	Intermediate Piano II	2
MUS 235	Advanced Piano I	2
MUS 236	Advanced Piano II	2

Techniques / Application

Select 2 Units from the following:

MUS 106	Elementary Piano II	2
MUS 108	Woodwind Techniques	1
MUS 109	Brass and Percussion Techniques	1
MUS 115	Voice	2
MUS 120	Opera Workshop	2
MUS 122	Beginning Guitar I	2
MUS 123	Beginning Guitar II	2
MUS 124	Intermediate Guitar	2
MUS 125	Intermediate Guitar	2
MUS 131	Career Opportunities in the Music Entertainment Industry	3
MUS 137	Standard Percussion Instrumentation/Techniques	1
MUS 138	World Percussion Instrumentation/Techniques	1
MUS 140	Electronic Music I	2
MUS 141	Electronic Music II	2
MUS 154	Jazz Improvisation	3
MUS 155	The Professional Pianist	2
MUS 160	Popular Piano Styles	2
MUS 161	Keyboard Skills for the Music Major	3
MUS 162	Songwriting	2
MUS 170	Sight Reading for the Studio	3
MUS 172	Styles, Technique, and the "Soul" of Popular Singing	2
MUS 205	Intermediate Piano I	2
MUS 206	Intermediate Piano II	2
MUS 210	Intermediate Voice	2
MUS 215	Musical Theatre Production	4
MUS 224	Musical Theatre Workshop Production	4
MUS 230	Advanced Voice (Classical)	2
MUS 231	Advanced Voice (Popular)	2
MUS 235	Advanced Piano I	2
MUS 236	Advanced Piano II	2
MUS 240	Electronic Music III	2

No courses used to satisfy other requirements may be counted in this section. A course may be used only once to fulfill Techniques/Application Requirement.

Performance

Select 6 Units from the following:

MUS 107	Jazz Ensemble	4
MUS 116	Chamber Singers I	4

	Units	
MUS 117	Vocal Ensemble I	3
MUS 118	Concert Choir I	3
MUS 119	Concert Choir II	3
MUS 129	Pop/Rock Ensemble I	2
MUS 139	Pop/Rock Ensemble II	2
MUS 152	Jazz Combos	1
MUS 145	Pop, Rock, and Jazz Performance Styles	4
MUS 146	Pop/Cumbia Ensemble I	2
MUS 147	Pop/Salsa Ensemble I	2
MUS 121	Chamber Chorale	3
MUS 126	Chamber Singers II	4
MUS 153	Chamber Jazz	4
MUS 157	Percussion Ensemble I	1
MUS 158	World Percussion Ensemble I	1
MUS 170	Sight Reading for the Studio	3
MUS 207	Laboratory Band	2
MUS 208	Studio Orchestra	4
MUS 216	Brass Choir I	3
MUS 217	Chamber Winds I	4
MUS 226	Brass Choir II	3
MUS 227	Chamber Winds II	4
MUS 232	Women's Ensemble I	4
MUS 233	Men's Ensemble	3
MUS 234	Wind Symphony I	4
MUS 242	Women's Ensemble II	4
MUS 244	Wind Symphony II	4
MUS 252	Fusion Ensemble	1
MUS 277	Vocal Ensemble II	3

A course may be used only once to fulfill performance requirement.

Total Units 18-19

*Pending chancellor's office approval

Physical Education

The Physical Education Program is organized with multiple goals in mind:

1. To provide individuals with skills in activities that they may enjoy for a lifetime.
2. To provide individuals with an understanding of and a means of maintaining physical fitness.
3. To provide introductory coursework for students wishing to enter the field.

Please select 18 "degree appropriate" units as listed below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

	Units	
12-18 Units from the core courses listed below:		
PE 169	Introduction to Coaching	3
PE 170	Fitness for Life	3
PE 171	Health Science	3
or		
PE 171H	Health Science - Honors	3
PE 172	Introduction to Physical Education	3
PE 173	Nutrition for Fitness	3
PE 174	Introduction to Team Sports	3
PE 175	Introduction to Individual and Dual Sports	3
PE 176	Elementary School Physical Education	2
PE 177	First Aid - Responding to Emergencies	3
PE 182	Care and Prevention of Athletic Injuries	3

2-6 units may be taken from the Theory and Varsity Sports courses listed below:

Theory Courses

PE 184	Volleyball Theory	2
PE 185	Softball Theory	2
		Units
PE 186	Baseball Theory	2
PE 187	Techniques and Strategy of Intercollegiate Football	2
PE 188	Basketball Theory	2
PE 191	Theory of Intercollegiate Golf	2
PE 192	Aquatic Theory and Techniques	2
PE 193	Track and Field Theory and Techniques	2
PE 194	Soccer Theory	2

Varsity Sport Courses

PE 209	Women's Varsity Soccer	2
PE 211	Women's Varsity Volleyball	2
PE 212	Women's Varsity Swimming	2
PE 213	Women's Varsity Basketball	2
PE 214	Women's Varsity Softball	2
PE 215	Women's Varsity Track and Field	2
PE 216	Women's Varsity Cross Country	2
PE 220	Men's Varsity Football	2
PE 221	Men's Varsity Basketball	2
PE 222	Men's Varsity Track and Field	2
PE 224	Men's Varsity Baseball	2
PE 225	Men's Varsity Golf	2
PE 226	Men's Varsity Cross Country	2
PE 227	Women's Varsity Golf	2
PE 228	Men's Varsity Swimming	2
PE 229	Men's Varsity Water Polo	2
PE 230	Women's Varsity Water Polo	2
PE 231	Men's Varsity Soccer	2

Biological Science

BIOL 200	Human Anatomy	4
BIOL 201	Human Physiology	4

Total Units 18

Public Works

These courses prepare new personnel for public works occupations and provide upgrading within these occupations. Job opportunities exist in both the public and private sectors.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Please select 18 "degree appropriate" units from the courses below.

PUB 150	Public Works I	3
PUB 151	Street Construction and Maintenance	3
PUB 154	Soils - Trenching and Grading	3
PUB 155	Public Works Inspection	3
PUB 156	Concrete Structures and Inspection	3
PUB 157	Asphalt and Portland Cement	3
	Units	
PUB 158	Municipal and Urban Tree Care	3
PUB 160	Public Administration	3
PUB 161	California Occupational Safety and Health	3
PUB 162	Traffic Control Standards, Practices, and Policies	3
PUB 164	Plan Interpretation and Cost Estimating	3
PUB 165	Environmental Management in Public Works	3
PUB 166	Supervision in Public Works	3
	Total Units 18	

*Recording Technology

Recording Technology is a degree in audio production and post production for the entertainment industry. It includes studies in sound for film, record production, live sound and music business. All courses are required.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Core Audio Courses

REC 105	Fundamentals of Audio Technology	4
REC 115	Recording Studio Workshop I	4
REC 205	Advanced Audio Technology	4
REC 215	Recording Studio Workshop II	4

Digital Audio Courses

REC 125	Digital Audio Technology I	3
REC 225	Digital Audio Technology II	4

Other Required Courses

REC 135	Live Sound Reinforcement	4
REC 145	Critical Listening Skills for Engineers	3
REC 235	Acoustics for Engineers	3
REC 245	Music Business/Audio Careers	3

Total Units 36

*Pending chancellor's office approval



Citrus College was one of 10 California community colleges chosen to receive a \$25,000 grant from the Sempra Energy Foundation. The grant will fund scholarships to students seeking certification or training for green jobs that include, but are not limited to, public works and water technology.

Registered Nursing

Citrus College offers a program designed to meet the requirements for licensure by the California Board of Registered Nursing. It is designed to qualify the student for the licensure examination and entry into practice as a Registered Nurse. Additionally, completion of the Associate in Science Degree in Nursing prepares a student to transfer to a four-year institution for completion of a baccalaureate degree. The curriculum follows the Program Philosophy and Conceptual 164 Nursing Framework. Advanced placement in the program may be granted to those students with certain prior vocational nursing, or registered nursing education or equivalent

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of "C" and above) of the following major requirements:

NURSING PROGRAM PREREQUISITES

The ADN Program has the following general education prerequisites for entry into the program:

	Units
BIOL 200 Human Anatomy	4
BIOL 201 Human Physiology	4
BIOL 220 Microbiology	5
ENGL 101 Reading and Composition	3

GENERIC OPTION

The RN Program - Generic Option will include the following major requirements:

FIRST YEAR - MAJOR REQUIREMENTS

FIRST SEMESTER

RNRS 190 Foundation of Nursing	4
RNRS 191 Intro to Medical/Surgical Nursing I	5
RNRS 192 Pharmacology for Nurses	2

SECOND SEMESTER

RNRS 193 Pediatric Nursing	3.5
RNRS 194 Obstetrics/Maternity Nursing	3.5
RNRS 195 Beginning Medical/Surgical Nursing II	5

SECOND YEAR - MAJOR REQUIREMENTS

THIRD SEMESTER

RNRS 201 Medical-Surgical Nursing III	5
RNRS 203 Mental Health-Psychiatric Nursing	3

FOURTH SEMESTER

RNRS 251 Medical-Surgical Nursing IV	6
RNRS 252 Leadership for Professional Nursing Practice	2
RNRS 290 Gerontological Nursing	2

ADVANCED PLACEMENT OPTION (LVN to ADN) NURSING CURRICULUM

The Advanced Placement Option provides an opportunity for entry into the ADN Program at the third semester. It is expected that the Advanced Placement Option student, having acquired their LVN, possesses first year nursing foundations. As such, the Advanced Placement Option student is eligible to enter the ADN program upon the successful completion of Nursing 200 - Role Transition: LVN to RN. This course is offered during the summer session before entry into the third semester courses.

MAJOR REQUIREMENTS

	Units
RNRS 200 Role Transition: LVN to RN	3

THIRD SEMESTER

RNRS 201 Medical-Surgical Nursing III	5
RNRS 203 Mental Health-Psychiatric Nursing	3

FOURTH SEMESTER

RNRS 251 Medical-Surgical Nursing IV	6
RNRS 252 Leadership for Professional Nursing Practice	2
RNRS 290 Gerontological Nursing	2

LVN to RN 30 UNIT OPTION

The admission prerequisites for the LVN to RN 30 Unit Option differ from those for the other two options. Instead, the LVN to RN 30 Unit Option program requires the following nursing program prerequisites for entry into the program.

NURSING PROGRAM PREREQUISITES

BIOL 201 Human Physiology	4
BIOL 220 Microbiology	5

Note: Prerequisite courses for these science prerequisites will be waived for the 30 unit option students.

REGISTERED NURSING PROGRAM - LVN to RN 30 UNIT OPTION

The LVN to RN 30 Unit Option provides an opportunity for entry into the ADN Program at the third semester for LVNs with current California licenses. It is expected that the LVN to RN 30 Unit Option student, having acquired their LVN, possess first year nursing foundations. As such, the LVN to RN 30 Unit Option student is eligible to enter the ADN program upon the successful completion of Nursing 200 - Role Transition: LVN to RN. This course is offered during the summer session before entry into the third semester courses.

The program is designed to prepare students for employment as a nurse providing direct care to patients. **This option does not lead to an associate degree.** The student should be aware that they will be eligible to take the licensing examination as a **non-graduate** and may not change their status as a 30 Unit Option RN with the Board of Registered Nursing at any time after licensure. Individuals who become licensed as registered nurses through this option **may not be eligible for licensure in states other than California and may have difficulty in transferring into a college/university for an advanced degree.**

MAJOR REQUIREMENTS	Units
RNRS 200 Role Transition: LVN to RN	3

THIRD SEMESTER	
RNRS 201 Medical-Surgical Nursing III	5

FOURTH SEMESTER	
RNRS 251 Medical-Surgical Nursing IV	6
RNRS 252 Leadership for Professional Nursing Practice	2
RNRS 290 Gerontological Nursing	2

The Board of Registered Nursing (BRN) requires these courses be completed to be eligible to take the licensing examination. All of these courses must be completed with a grade of "C" or better.

Total Units 21-41

Social and Behavioral Sciences

Courses in the Social and Behavioral Sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate. This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines.

Please select 18 "degree appropriate" units from the courses below.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

ANTHROPOLOGY	Units
ANTH 210 Introduction to Cultural Anthropology	3
or	
ANTH 210H Introduction to Cultural Anthropology - Honors	3
ANTH 212 Introduction to Physical Anthropology	3
ANTH 212L Introduction to Physical Anthropology Lab	1
ANTH 214 Native North America	3
ANTH 216 Sex and Gender in a Cross Cultural Perspective	3
or	
ANTH 216H Sex and Gender in a Cross Cultural Perspective - Honors	3
ANTH 218H Presentation Seminar - Honors	1
ANTH 220 Introduction to Archaeology	3

CHILD DEVELOPMENT	Units
CHLD 100 Introduction to Education and Teaching	3
CHLD 106 Parenting Your Preschool Child	0.5
CHLD 108 Model Approach to Partnership in Parenting	1.5
CHLD 110 Early Childhood Development	3
CHLD 111 Child Development Youth - Adolescence	3
CHLD 112 Principles of Early Childhood Education I	3
CHLD 114 Home-Child-Community Relations	3
CHLD 118 Effective Family Child Care Practices	2
CHLD 120 Literacy for Children	3
CHLD 121 Art for Children	2
CHLD 122 Music and Rhythms for Children	2
CHLD 123 Science Experiences for Children	1
CHLD 124 Mathematics for Children	1
CHLD 130 Infant Development and Group Care	3
CHLD 134 Parent-Child Interaction	3
CHLD 140 Before/After-School Programs	3
CHLD 142 Parent Teacher Partnership	1
CHLD 144 Health, Safety and Nutrition for Young Children	3
CHLD 145 Child Abuse Education	3
CHLD 147 Computers In Early Childhood Programs	3
CHLD 150 Multi-Culture Anti-Bias Classrooms	3
CHLD 154 Observing and Recording Behavior	3
CHLD 156 Practicum A in Early Childhood Education	2
CHLD 156L Practicum A Lab	1
CHLD 158 Practicum B in Early Childhood Education	2
CHLD 158L Practicum B Lab	1
CHLD 160 Perceptual Motor and Movement Activities	2
CHLD 164 The Child with Special Needs	3

	Units		Units
CHLD 166	2	HIST 112	3
CHLD 168	2	HIST 120	3
CHLD 169	1	HIST 127	3
CHLD 181	1	HIST 139	3
CHLD 182	1	HIST 140	3
CHLD 183	1	HIST 145	3
CHLD 184	1	HIST 155	3
CHLD 190	3	HIST 222	3
CHLD 191	3		
CHLD 194	3	HUMANITIES	
CHLD 220	3	HUM 101	3
		or	
		HUM 101H	3
		HUM 102	3
		HUM 110	3
		HUM 111	3
		PHILOSOPHY	
		PHIL 101	3
		PHIL 106	3
		or	
		PH L 106H	3
		PHIL 108	3
		PHIL 110	3
		POLITICAL SCIENCE	
		POLI 103	3
		or	
		POLI 103H	3
		POLI 104	3
		POLI 105	3
		POLI 110	3
		POLI 116	3
		PSYCHOLOGY	
		PSY 101	3
		PSY 102	3
		PSY 103	3
		PSY 110	3
		PSY 111	3
		PSY 133	3
		PSY 152	3
		PSY 203	3
			3
		PSY 205	3
		PSY 206	3
		or	
		PSY 206H	3
			3
		PSY 212	3
		PSY 213	3
			3
		PSY 220	3
		PSY 225	3
		PSY 226	3
			3
CULTURAL GEOGRAPHY			
GEOG 102	3		
ECONOMICS			
ECON 100	3		
ECON 101	3		
or			
ECON 101H	3		
ECON 102	3		
HISTORY			
HIST 103	3		
or			
HIST 103H	3		
HIST 104	3		
HIST 105	3		
HIST 107	3		
or			
HIST 107H	3		
HIST 108	3		
or			
HIST 108H	3		
HIST 109	3		
HIST 110	3		
HIST 111	3		

PSY 250	Honors Topics Seminar	Units 0.5
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SOCIOLOGY

SOC 114	Marriage, Family, and Intimate Relations	3
SOC 118	Minorities in America	3
SOC 122	Introduction to Latino Studies	3
SOC 201	Introduction to Sociology	3
or		
SOC 201H	Introduction to Sociology- Honors	3
SOC 202	Contemporary Social Problems	3
SOC 216	Sex and Gender in a Cross Cultural Perspective	3
SOC 218H	Presentation Seminar - Honors	1

Total Units 18

***Theatre Arts**

This degree is a fundamental exploration in the area of Theatre Arts, highlighting Acting, Technical Theatre/ Design, Theatre History and Play Analysis.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Core Courses

THEA 101	Introduction to Theatre Arts	3
THEA 120	Introduction to Tech for Theatre, TV and Film	3
THEA 201	Acting Fundamentals I	3

Play Performance

Select 3 Units from the following:

THEA 210	Rehearsal and Performance I	3
THEA 293	Theatre for Young Audiences	3
THEA 294	Shakespeare in Production	3

Play Analysis

Select 1 course from the following:

THEA 200	The Art of the Theatre	3
THEA 204	Stage and Screenwriting	3
THEA 241	Fundamentals of Stage Direction	3

Electives

Select 1 course from the following:

THEA 130	Introduction to Theatrical Scenery	3
THEA 140	Introduction to Lighting for Theatre, Television and Film	3
THEA 245	Stage and Project Management for Theatre, TV and Film	3
THEA 250	Theatre Appreciation	3
THEA 284	Acting Shakespeare	3
THEA 292	Special Techniques in Acting	3

Total Units 18

*Pending chancellor's office approval

***Theatre Arts - Acting Emphasis**

This degree is a fundamental exploration in the area of Theatre Arts focusing on Performance Styles and Acting Techniques.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Core Courses

THEA 101	Introduction to Theatre Arts	Units 3
THEA 120	Introduction to Tech for Theatre, TV and Film	3
THEA 202	Acting Fundamentals II	3

**Note* Theatre Arts 201 is a pre-requisite for Theatre Arts 202.*

Play Performance

Select 3 Units from the following:

THEA 210	Rehearsal and Performance I	3
THEA 220	Rehearsal and Performance II	3

Acting Techniques

Select 6 Units from the following:

THEA 104	Voice and Movement for the Actor	3
THEA 211	Acting for the Camera	3
THEA 284	Acting Shakespeare	3
THEA 292	Special Techniques in Acting	3

A course may be used only once to fulfil the degree requirement.

Speciality Courses

Select 1 course from the following:

THEA 241	Fundamentals of Stage Direction	3
THEA 293	Theatre for Young Audiences	3
THEA 294	Shakespeare in Production	3

Total Units 21

*Pending chancellor's office approval

*Theatre Arts - Technical Theatre Design Emphasis

This degree is a fundamental exploration in the area of Theatre Arts focusing on Technical Theatre and Design. Career paths include educator, master electrician, stage technician, moving light programmer, scenic designer, lighting designer, art director, technical director and stage manager for theatre, television, film and theme parks.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Core Courses		Units
THEA 101	Introduction to Theatre Arts	3
THEA 120	Introduction to Tech for Theatre, TV and Film	3
THEA 201	Acting Fundamentals I	3

Fundamentals of Design

THEA 130	Introduction to Theatrical Scenery	3
THEA 140	Introduction to Lighting for Theatre, Television and Film	3

Technical Theatre Electives

Plus a minimum of 3 units of the following:

THEA 125	Technical Theatre Production	2
THEA 150	Introduction to Intelligent Lighting Systems for Theatre	3
THEA 160	Computer Aided Design for Theatre	4
THEA 245	Stage and Project Management for Theatre, TV and Film	3
THEA 260	Introduction to Show Production Systems	3

Total Units 18

*Pending chancellor's office approval

Vocational Nursing

Successful completion of the program allows the student to become eligible to take the State Board Examination for Licensed Vocational Nurse NCLEX.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Required Courses

VNRS 150	Fundamentals of Nursing	3
VNRS 151L	Fundamentals of Nursing Lab	3
VNRS 152	Pharmacology I	1
VNRS 153	Introductory Nutrition for the Vocational Nurse	1

		Units
VNRS 154	Body Structure and Function for the Vocational Nurse I	1.5
VNRS 155	Social Psychology for the Vocational Nurse	1
VNRS 160	Medical-Surgical Nursing I	3
VNRS 161L	Medical-Surgical Nursing I Lab	3
VNRS 162	Pharmacology II	1
VNRS 163	Diet Therapy for the Vocational Nurse	1
VNRS 164	Body Structure and Function for the Vocational Nurse II	1.5
VNRS 165	Growth and Development: Young Adult - Elderly	1
VNRS 170	Medical-Surgical Nursing II	7
VNRS 171L	Medical-Surgical Nursing II Lab	7
VNRS 172	Advanced Pharmacology	2
VNRS 173	Psychology for Vocational Nurses	2
VNRS 180	Pediatric Nursing	3.5
VNRS 181	Growth and Development: Infancy-Adolescence	1
VNRS 182	Obstetrical-Gynecological Nursing	4
VNRS 183	Leadership in Nursing	3

Total Units 50.5

Water Technology

This program is designed to prepare students who wish to seek employment in the public water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T-1, T-2, T3, T4 and T5 Water Treatment Operator and D1, D2, D3, D4, and D5 Water Distribution Operator certification examinations given by the California Public Health Department. Coursework also provides contact hours for Operator certification maintenance requirements.

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of C and above) of the following major requirements:

Please select 18 "degree appropriate" units from the courses below.

WATR 150	Introduction to Water Systems	3
WATR 151	Water Resources and Distribution I	3
WATR 153	Water Resources and Distribution II	3
WATR 155	Water Distribution Operator Exam Preparation	1
WATR 156	Water Treatment I	3
WATR 157	Water Treatment II	3
WATR 162	Water Conservation	3
WATR 165	Water Systems Operations and Technology Update	1

Total Units 18

What Career and Technical Programs Does Citrus College Offer?

Programs of Study Leading to a Certificate of Achievement

Citrus College grants certificates of achievement in a variety of subject areas. These certificates of achievement may be used to verify a student's proficiency in the skills and knowledge needed for entry-level employment or for career advancement.

To earn a certificate of achievement, a student must satisfactorily complete 18 units or more in a specific sequence of required courses. The number of units will vary by program; many subject areas require more than 18 units. At least 50% of these required courses must be completed at Citrus College. A 2.0 GPA is required.

Programs of Study Leading to a Certificate of Achievement

- Administration of Justice
- Audio Recording Technology
- Automotive Technology
 - Automotive Service, Diagnosis and Repair - Master Technician
 - Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician
 - Automotive Service, Diagnosis and Repair - Undercar Drivetrain Specialist
 - Automotive Service, Diagnosis and Repair - Underhood Specialist
 - Automotive Research and Development
- Business
 - Accounting
 - Administrative Office Manager
- Administrative Office Occupations
 - Secretarial
 - Word Processing
- Ceramics - One Year
- Ceramics - Two Year
- Child Development Teacher
- Child Development Master Teacher
- Child Development Master Teacher - Early Intervention
- Commercial Dance
- Cosmetology
 - Cosmetology
 - Esthetician
- Dental Assisting
- Drafting
 - Drafting Technology - CAD
 - Advanced Drafting Technology - CAD
 - Architectural Design
 - Architectural Drafting - CAD
- Electronics Technician



Citrus College's Cosmetology Program was named to the 2009 President's Higher Education Community Service Honor Roll, for its commitment to volunteerism. This honor is the highest federal recognition a college or university can receive.

- Emergency Management and Homeland Security
- English
 - Literature
 - Writing Competency
- Energy Systems Technology
 - Building Systems Design Technology
 - Building Systems Maintenance and Operations Technology
- Fine Arts - Digital and Web Design
- Heating and Air Conditioning
- Information Technology
- Library Technology
- Medium and Heavy Truck Service, Diagnosis and Repair Technician
- *Motorcycle Service, Diagnosis, and Repair Technician
- Photography
- Public Works I
- Public Works II
- Public Works/Landscape Management
- Theatre
 - Emerging Theatre Technologies
- Vocational Nursing
- Water Technology
- Wildland Resources and Forestry

*Pending chancellor's office approval

ADMINISTRATION OF JUSTICE

Administration of Justice offers men and women a career of personal challenge and rewarding public service. A great need exists for intelligent, well-educated personnel with a firm commitment toward professional improvement in the justice system. Citrus College offers courses to prepare students for employment and promotion in the criminal justice system.

Required Courses:		Units
AJ 101	Introduction to the Administration of Justice	3
AJ 102	Concepts of Criminal Law	3
AJ 103	Legal Aspects of Evidence	3
AJ 109	Criminal Procedures	3
AJ 112	Community Relations	3
AJ 123	Writing for Criminal Justice Professionals	3
	or	
AJ 133	Correctional Writing	3
	or	
ENGL 100	Fundamentals of Composition	3
	or	
ENGL 101	Reading and Composition	3

ELECTIVES:		
One AJ course (3 units)		3

EMPLOYMENT OPPORTUNITY:
Entry-level police cadet/police officer

Total Units 21

AUDIO RECORDING TECHNOLOGY

This is a one year audio recording program intended to teach students the basics of how to engineer any kind of music, from hip-hop to classical to movie sciences.

Required Courses:		
REC 105	Fundamentals of Audio Technology	4
REC 115	Recording Studio Workshop I	4
REC 125	Digital Audio Technology I	3
REC 135	Live Sound Reinforcement	4
REC 145	Critical Listening Skills for Engineers	3
REC 205	Advanced Audio Technology	4
REC 215	Recording Studio Workshop II	4
REC 225	Digital Audio Technology II	4
REC 235	Acoustics for Engineers	3
REC 245	Music Business/Audio Careers	3

Total Units 36

AUTOMOTIVE TECHNOLOGY

Automotive Service, Diagnosis & Repair - Master Technician

The courses listed in the Automotive Service, Diagnosis and Repair - Master Technician certificate meet the National Automotive Technicians' Education Foundation Standards and are selected to provide a comprehensive set of job skills needed in the automotive industry. In addition to improving the student's employability, the skills developed in the program will enhance their ability to become an Automotive Service Excellence (ASE) Master Technician. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

Required courses within the major: **Units**
All of the following automotive technology courses:

AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
AUTO 151	Engine Service, Diagnosis and Repair	5
AUTO 154	Chassis Service, Diagnosis, and Repair	8
AUTO 156	Automotive Electrical/Electronic Systems I	4
AUTO 162	Drivetrain Service, Diagnosis and Repair	8
AUTO 166	Automotive Electrical/Electronic Systems II	3
AUTO 167	Automotive HVAC Service, Diagnosis & Repair	3
AUTO 168	Engine Control Systems Service, Diagnosis and Repair	8

Plus four (4) units of the following:

AUTO 230A	Automotive Service and Repair Work Experience A	1
AUTO 230B	Automotive Service and Repair Work Experience B	2
AUTO 230C	Automotive Service and Repair Work Experience C	3
AUTO 230D	Automotive Service and Repair Work Experience D	4

Required courses outside the major:

Select one (1) of the following language arts courses:

ENGL 100	Fundamentals of Composition	3
ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition - Honors	3
ESL 100	Fundamentals of Composition	4
ESL 101	Reading and Composition	3

Select one (1) of the following mathematics courses:

MATH 115	Business Mathematics	3
MATH 130	Elementary Algebra	4

Students may substitute a higher level math course.

Total Units 54-56

Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician

The courses listed in the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician certificate are selected to provide a comprehensive set of job skills needed by Toyota, Lexus and Scion technicians. In addition to improving the student's employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) certified in all eight ASE areas. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement.

Required courses within the major: Units

All of the following automotive courses:

AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
AUTO 167	Automotive HVAC Service, Diagnosis & Repair	3
AUTO 281	Advanced Toyota Certified Technician Training	6.5

Note: AUTO 281 is a capstone course and must be taken after all other major coursework is completed.

Choose one of the following electrical options:

AUTO 146	Automotive Electrical Systems	4
or		
AUTO 156	Automotive Electrical/Electronic Systems I	4
and		
AUTO 166	Automotive Electrical/Electronic Systems II	3

Choose one (1) of the following engine repair courses:

AUTO 141	Engine Mechanical Systems	4
AUTO 151	Engine Service, Diagnosis and Repair	5

Choose one (1) of the following chassis courses:

AUTO 144	Chassis Systems	5
AUTO 154	Chassis Service, Diagnosis, and Repair	8

Choose one (1) of the following drivetrain courses:

AUTO 142	Drivetrain Systems	5
AUTO 162	Drivetrain Service, Diagnosis and Repair	8

Choose one (1) of the following engine control courses:

AUTO 148	Engine Control Systems	5
AUTO 168	Engine Control Systems Service, Diagnosis and Repair	8

Plus four (4) units of the following:

AUTO 230A	Automotive Service and Repair Work Experience A	1
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		Units
AUTO 230B	Automotive Service and Repair Work Experience B	2
AUTO 230C	Automotive Service and Repair Work Experience C	3
AUTO 230D	Automotive Service and Repair Work Experience D	4

Required courses outside the major:

Select one (1) of the following language arts courses:

ENGL 100	Fundamentals of Composition	3
ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition - Honors	3
ESL 100	Fundamentals of Composition	4
ESL 101	Reading and Composition	3

Choose one (1) of the following mathematics courses:

MATH 115	Business Mathematics	3
MATH 130	Elementary Algebra	4

Students may substitute a higher level math course

Total Units 47.5-62.5

Automotive Service, Diagnosis & Repair - Undercar/Drivetrain Specialist

The courses listed in the Undercar/Drivetrain Specialist certificate are selected to provide a comprehensive set of job skills needed for a technician specializing in undercar/drivetrain service, diagnosis and repair. In addition to improving the student's employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) A2, A3, A4 and A5 certified. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

Required Courses:

AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
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Plus

Choose one (1) of the following electrical courses:

AUTO 146	Automotive Electrical Systems	4
AUTO 156	Automotive Electrical/Electronic Systems I	4

Choose one (1) of the following chassis courses:

AUTO 144	Chassis Systems	5
AUTO 154	Chassis Service, Diagnosis, and Repair	8

Choose one (1) of the following drivetrain courses:

AUTO 142	Drivetrain Systems	5
AUTO 162	Drivetrain Service, Diagnosis and Repair	8

Total Units 19-25

Automotive Service, Diagnosis & Repair - Underhood Specialist

The courses listed in the Underhood Specialist certificate are selected to provide a comprehensive set of job skills needed for a technician specializing in underhood service, diagnosis and repair. In addition to improving the student's employability, the skills developed in each course will enhance their ability to become Automotive Service Excellence (ASE) A1, A6, A7 and A8 certified. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement in the automotive industry.

Required Courses:		Units
AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
AUTO 167	Automotive HVAC Service, Diagnosis & Repair	3

Plus

Choose one (1) of the following electrical courses:

AUTO 146	Automotive Electrical Systems	4
AUTO 156	Automotive Electrical/Electronic Systems I	4

Choose one (1) of the following engine repair courses:

AUTO 141	Engine Mechanical Systems	4
AUTO 151	Engine Service, Diagnosis and Repair	5

Choose one (1) of the following engine control courses:

AUTO 148	Engine Control Systems	5
AUTO 168	Engine Control Systems Service, Diagnosis and Repair	8

Total Units 21-25

Automotive Research and Development

The High Performance Institute offers a certificate of achievement in Automotive Research and Development. The field of automotive research and development offers many exciting career opportunities, including: engineering design, prototype building, vehicle evaluation and engineering, materials engineering, powertrain tuning and design, regulatory affairs and advanced technical research.

The Citrus College Certificate of Achievement in Automotive Research and Development offers two areas of emphasis: Engine Research, Development and Testing; and Chassis and Drivetrain Research, Development and Testing. The Engine Research, Development and Testing concentration provides a solid background in engine design and development, as well as testing

procedures using both engine and chassis dynamometers. The Chassis & Drivetrain Research, Development and Testing concentration focuses on brake design and analysis, suspension upgrades and alignment challenges, the research and development of automatic and manual transmissions improvements, as well as testing procedures using a transmission dynamometer.

The Certificate of Achievement in Automotive Research and Development is a stepping stone to exciting career opportunities. Completion of the certificate is excellent preparation for students desiring to transfer to a four-year university to pursue a degree in engineering, production technology or industrial technology. Students can also choose to step directly into the exciting world of the automotive aftermarket or new vehicle production where a number of entry-level positions await the highly-motivated student.

Required courses: Choose one of the following two areas of emphasis: Units

Engine Research, Development and Testing Emphasis. Complete the following courses:

AUTO 291	Engine Performance Enhancements and Tuning	3
AUTO 295	Engine Design	4
AUTO 296	Cylinder Head Development	4
AUTO 297	Cylinder Block Development	4
AUTO 299	Engine Dynamometer Operation and Testing Procedures	2

Chassis and Drivetrain Research, Development and Testing Emphasis. Complete the following courses:

AUTO 292	Advanced Drivetrain Development	2
AUTO 293	Advanced Steering, Suspension Geometry, Brake Design and Analysis	3
AUTO 294	Brake Design and Analysis	3
AUTO 290	Introduction to the Automotive Aftermarket	1
AUTO 298	Special Projects	2

Complete the following General Education courses:

ENGL 101	Reading and Composition	3
	or	
ENGL 101	Reading and Composition	3
	or	
ESL 101H	Reading and Composition - Honors	3
MATH 150	Intermediate Algebra	5
PHYS 110	Introduction to College Physics	4
	or	
TECH 100	Principles of Technology	3

Choose two of the following elective courses:

	Units
AUTO 190 Introduction to Compressed Natural Gas Vehicles	3
or	
MTRK 190 Introduction to Compressed Natural Gas Vehicles	3
BUS 132 Ethics in Business	3
BUS 130 Introduction to Business	3
DRAF 101 CAD (Computer Aided Design) and Mechanical Drawing	3
ENGR 125 Introduction to Engineering CAD	2
ENGR 122 Engineering Drawing	3

Or select two additional courses (5 or more units total) from another area of emphasis above. 5 - 8

Total Units 27-35

BUSINESS

Accounting

The Accounting Program encompasses an area of study which includes basic accounting, financial and managerial accounting principles, income tax accounting and accounting general ledger software. The Accounting Program within the Citrus College Business Department conducts the program with an outstanding faculty to prepare students for professional careers, transfer, and/or personal use. The program combines classroom lectures, demonstrations and a wide use of technology to ensure relevant training.

Required Courses:

ACCT 101 Financial Accounting	4
ACCT 102 Managerial Accounting	4
BUS 130 Introduction to Business	3
BUS 132 Ethics in Business	3
OFF 101 Introduction to Microsoft Office Applications	3
or	
OFF 120 Excel Spreadsheet	2

Plus one of the following:

BUS 146 Personal Finance	3
BUS 150 Business English	3
BUS 152 Business Communications	3
BUS 160 Business Law and the Legal Environment I	3

Total Units 19-20

Administrative Office Manager

Required Courses:

	Units
ACCT 100 Accounting	3
or	
ACCT 101 Financial Accounting	4
BUS 130 Introduction to Business	3
BUS 132 Ethics in Business	3
BUS 150 Business English	3
or	
BUS 152 Business Communications	3
BUS 160 Business Law and the Legal Environment I	3
BUS 176 Management for the Office Professional	3
OFF 101 Introduction to Microsoft Office Applications	3
OFF 201 Introduction to Electronic Commerce for Business	2
OFF 120 Excel Spreadsheet 2	2
OFF 291 Telecommunications for the Office	2
OFF 294 Beginning Microsoft Word	2

Total Units 29-30

Administrative Office Occupations

Students who receive the Administrative Office Occupations certificate of achievement are prepared for management assignments in the business office environment. This certificate is recommended for both experienced office staff as well as entry-level office workers who are seeking to increase their potential for promotion. Certificate recipients will have expert office skills and in-depth software knowledge. The courses leading to this certificate provide training in office information systems, human relations, business communications, and business records management.

Required Courses:

	Units
OFF 101 Introduction to Microsoft Office Applications	3
OFF 120 Excel Spreadsheet	2
OFF 215 Introduction to Microsoft Outlook	2
OFF 260 Computer Keyboarding and Document Processing	3
OFF 281 Filing and Records Management	3
OFF 291 Telecommunications for the Office	2
OFF 294 Beginning Microsoft Word	2
BUS150 Business English	3
or	
BUS152 Business Communications	3

Select one of the following Professional Development Series courses:		Units
OFF 154	Professional Development – Interpersonal Skills	1
OFF 155	Professional Development Series: Business Etiquette and Protocol	1
OFF 156	Professional Development Series: Team Dynamics	1
OFF 157	Professional Development Series: Customer Relations and Rapport	1
OFF 158	Professional Development Series: Leadership in Organizations	1
OFF 159	Professional Development Series: Career Planning and Networking	1
OFF 160	Professional Development Series: Professional Image	1
OFF 161	Professional Development Series: Interview Styles & Strategies	1

To qualify for this certificate all courses must be completed with C or better.

Total Units 23

BUS 176	Management for the Office Professional	3
OFF 101	Introduction to Microsoft Office Applications	3
OFF 201	Introduction to Electronic Commerce for Business	2
OFF 291	Telecommunications for the Office	2
OFF 294	Beginning Microsoft Word	2

Total Units 29-30

Secretarial

Required Courses:

BUS 130	Introduction to Business	3
BUS 150	Business English	3
BUS 152	Business Communications	3
BUS 176	Management for the Office Professional	3
OFF 101	Introduction to Microsoft Office Applications	3
OFF 201	Introduction to Electronic Commerce for Business	2
OFF 260	Computer Keyboarding and Document Processing	3
OFF 281	Filing and Records Management	3
OFF 291	Introduction to Technology	2

Total Units 25

Word Processing

Required Courses:

BUS 132	Ethics in Business	3
BUS 150	Business English	3
BUS 152	Business Communications	3
BUS 176	Management for the Office Professional	3

		Units
OFF 120	Excel Spreadsheet	2
OFF 215	Introduction to Microsoft Outlook	2
OFF 260	Computer Keyboarding and Document Processing	3
OFF 281	Filing and Records Management	3
OFF 291	Telecommunications for the Office	2
OFF 294	Beginning Microsoft Word	2

CERAMICS - ONE YEAR

Required Courses:

ART 111	Beginning Drawing	3
ART 120	Two-Dimensional Design	3
ART 140	Beginning Ceramics	3
ART 141	Intermediate Ceramics	3
ART 145	Ceramic Design and Decoration	3

Plus Two Electives:

ART 104	Art History and Appreciation - 19th Century Art	3
ART 105	Art History and Appreciation - Early 20th Century Art	3
ART 106	Art History and Appreciation - Pre-Columbian	3
ART 130	Beginning Painting	3
ART 180	Beginning Clay Sculpture	3
ART 115	Figure Drawing I	3
PHTO 101	Basic Photography	3

EMPLOYMENT OPPORTUNITY:

Studio potter, ceramic shop (retail)

Total Units 21

CERAMICS - TWO YEAR

Required Courses:

One year certificate plus		
ART 112	Intermediate Drawing	3
ART 121	Three-Dimensional Design	3
ART 240	Advanced Ceramics I	3
ART 241	Advanced Ceramics II	

Plus Two Electives:

ART 180	Beginning Clay Sculpture	3
ART 181	Intermediate Clay Sculpture	3
ART 182	Advanced Clay Sculpture I	3
ART 183	Advanced Clay Sculpture II	3
BUS 185	Elements of Marketing	3
PHTO 101	Basic Photography	3

EMPLOYMENT OPPORTUNITY:

Studio potter, ceramic shop (retail)

CHILD DEVELOPMENT TEACHER

Required Courses:

CHLD 110	Early Childhood Development	3
	or	
PSY 206	Child Growth and Development	3
CHLD 112	Principles of Early Childhood Education I	3
CHLD 114	Home-Child-Community Relations	3
CHLD 154	Observing and Recording Behavior	3

Plus 9 units of electives:

CHLD 120	Literacy for Children	3
CHLD 121	Art for Children	2
CHLD 122	Music and Rhythms for Children	2
CHLD 123	Science Experiences for Children	1
CHLD 124	Mathematics for Children	1
CHLD 134	Parent-Child Interaction	3
CHLD 142	Parent Teacher Partnership	1
CHLD 144	Health, Safety and Nutrition for Young Children	3
CHLD 150	Multi-Culture Anti-Bias Classrooms	3
CHLD 160	Perceptual Motor and Movement Activities	2
CHLD 164	The Child with Special Needs	3

Required supervised teaching experience:

Option 1

CHLD 156	Practicum A in Early Childhood Education	2
CHLD 156L	Practicum A Lab	1

or

Option 2

CHLD 158	Practicum B in Early Childhood Education	2
CHLD 158L	Practicum B Lab	1

The work experience should be a minimum of three hours per day for 175 days.

Also required: 16 units of general education: one course minimum in each of the categories - English/ Language Arts, Math or Science, Social Sciences, Humanities and/or Fine Arts, any general education elective excluding PE. 16

EMPLOYMENT OPPORTUNITY: Upon completion of this program, student will be eligible to apply for the state's Child Development Permit: Teacher Level for teaching at the preschool level in public or private programs.

Total Units 40

CHILD DEVELOPMENT MASTER TEACHER

Required Courses:

		Units
Completion of the Child Development Teacher Certificate of Achievement and the following coursework:		40
CHLD 194	Personnel Issues in Early Childhood Education Programs	3
	or	
CHLD 220	Early Childhood Education Mentor Teacher Practices	3

Six units of area specialization plus work experience requirement of 350 days within a four year period (3 hours a day minimum).

Note: The "area of specialization" units are above and beyond the child development unit requirements for the Teacher Certificate. The 6 units in an "area of specialization" may not be counted twice and should focus on one specific area of service, instruction, or curriculum.

Examples of specializations: Infant/Toddler, Teacher/Family Relations, Music/Movement Experiences, Children with Special Needs, Speech and Language Development, Health and Safety, Art and Creative Experiences, Multicultural/Bilingual Curriculum, Child Abuse/Children at Risk, Literacy/Children's Literature. Administration and core areas are not acceptable specializations. Courses CHLD 110, 111, PSY 206, CHLD 114, 190, 191 and 194 cannot be used for the "area of specialization."

EMPLOYMENT OPPORTUNITY: Prepares the employed child development teacher to function as a mentor teacher to students in training or other adults working in the same environment. May be eligible to participate in the Mentor Teacher Project, which includes a stipend for professional development and for supervising identified students in training.

Total Units 49

CHILD DEVELOPMENT MASTER TEACHER-EARLY INTERVENTION

Required Courses:		Units
CHLD 110	Early Childhood Development	3
	or	
PSY 206	Child Growth and Development	3
CHLD 112	Principles of Early Childhood Education I	3
CHLD 114	Home-Child-Community Relations	3
CHLD 120	Literacy for Children	3
CHLD 142	Parent Teacher Partnership	1
CHLD 150	Multi-Culture Anti-Bias Classrooms	3
CHLD 154	Observing and Recording Behavior	3
CHLD 156	Practicum A in Early Childhood Education	2
	and	
CHLD 156L	Practicum A Lab	1
	or	
CHLD 158	Practicum B in Early Childhood Education	2
	and	
CHLD 158L	Practicum B Lab	1
CHLD 160	Perceptual Motor and Movement Activities	2
CHLD 164	The Child with Special Needs	3
CHLD 166	Speech and Language Development and Disorders	2
CHLD 168	Developmental Risk: Infants and Toddlers	2
CHLD 169	Managing Challenging and Disruptive Behaviors	1
CHLD 194	Personnel Issues in Early Childhood Education Programs	3

Plus 350 days of work experience required, at least 100 days in a special education setting.

Also required: 16 diversified general education units within the areas of English, math/science, social sciences, humanities or fine arts, any general education excluding PE. Please see an academic counselor or adviser.

EMPLOYMENT OPPORTUNITY: This program prepares a student for the Child Development Permit: Master Teacher Level with an emphasis on working with young children with special needs. Students will be qualified to teach at the preschool level in all programs and will also be prepared to work under supervision in Early Intervention programs.

Total Units 51

COMMERCIAL DANCE

Dance classes at Citrus College prepare students for many opportunities in the world of dance. Classes are offered in jazz dance, classical ballet, tap dance and modern dance.

Required Courses:		Units
DANC 102	History of Dance	3
DANC 130	Alignment and Correctives	2
DANC 172	Composition in Group Forms	2
DANC 259	Intermediate Tap I	1
DANC 260	Intermediate Jazz Dance I	1
DANC 262	Intermediate Ballet I	1
DANC 269	Intermediate Tap II	1
DANC 272	Intermediate Ballet II	1
DANC 289	Dance Concert Production	3

ELECTIVES: Plus 34 units of the following:

DANC 159	Beginning Tap	1
DANC 160	Jazz Dance Techniques	1
DANC 161	Beginning Modern Dance	1
DANC 162	Beginning Ballet	1
DANC 171	Introduction to Choreography/Improvisation	2
DANC 259	Intermediate Tap I	1
DANC 260	Intermediate Jazz Dance I	1
DANC 261	Intermediate Modern Dance I	1
DANC 262	Intermediate Ballet I	1
DANC 269	Intermediate Tap II	1
DANC 270	Intermediate Jazz Dance II	1
DANC 272	Intermediate Ballet II	1
DANC 289	Dance Concert Production	3
MUS 214	Musical Theatre Techniques	3

The above elective classes may be taken multiple times.

Total Units 49

COSMETOLOGY

The Cosmetology Certificate is a comprehensive curriculum that prepares students for a wide range of careers within the beauty industry. The curriculum offers theoretical and practical disciplines as well as interactive demonstrations and hands-on applications that train students to possess knowledge, language and skills for career opportunities in Haircutting, Hairstyling, Colorist, Chemical Specialist, Skin and Nail Spas, Sales, and Entrepreneurship. Students will understand the importance of professionalism and artistic endeavor in this diverse industry through inspiration and challenge. This program of study also enables students to prepare and pass the California State Cosmetology Board Exam.

Students must complete all of the following courses:

	Units
COS 141 Introduction to Cosmetology	12
COS 151 Salon Success	4
COS 161A Haircolor I	4
COS 161B Haircolor II	4
COS 172A Hair Design I	4
COS 172B Hair Design II	4
COS 178A Chemical Texturizing I	4
COS 178B Chemical Texturizing II	4
COS 181A Hairsculpting I	4
COS 181B Hairsculpting II	4
COS 182 Skin Care	4
COS 183 Nail Care	4
Total Units	56

DENTAL ASSISTING

The Dental Assisting Program prepares students for the California State Registered Dental Assistant Examination. This program is accredited by the American Dental Association Commission on Accreditation and the California State Board of Dental Examiners. Upon completion, the graduate is eligible to sit for the California State Registered Dental Assistant Examination and the National Certification Examination. Must maintain a minimum grade of C in all dental courses.

	Units
DENT 100 Dental Assisting Basics	2.5
DENT 101 Introduction to Dental Assisting	3
DENT 102 Dental Materials	2.5
DENT 121 Preclinical Dental Science	2
DENT 122 Infection Control in the Dental Office	1.5
DENT 123 Preventive Dental Health	2
DENT 124 Dental Specialties	2
DENT 125 Dental Practice Management	2
DENT 201 Dental Radiology	2
DENT 202 Registered Dental Assistant	4
DENT 203 Dental Practical Experience	5.5

DENT 204 RDA Clinical Procedures 1

Total Units 30

EMPLOYMENT OPPORTUNITY: Dental Assistant, Registered Dental Assistant

DRAFTING

The Drafting Program provides coursework for such majors as electronics, engineering and architecture. In addition to the transfer program, a number of certificates are available.

Drafting Technology - CAD

Required Courses:	Units
ART 111 Beginning Drawing	3
ART 153 Digital Media Production I	3
DRAF 101 CAD (Computer Aided Design) and Mechanical Drawing	3
or	
DRAF 100 Beginning Computer Aided Design (CAD)	3
DRAF 109 Intermediate Computer Aided Drafting (CAD)	2.5
or	
ENGR 125 Introduction to Engineering CAD	2
DRAF 102 Technical Illustration	2.5
DRAF 103 Advanced Mechanical Drawing	3
DRAF 111 Advanced Computer Aided Design and Drafting - Mechanical (CADD)	2.5
Total Units	19-19.5

Advanced Drafting Technology - CAD

Required Courses:	Units
Drafting Technology - CAD certificate plus	18.5 - 19
ART 188 Multimedia Portfolio and Resume Production	3
DRAF 190 Computer Imaging Practices for Industry and Architecture	3
DRAF 198 Special Problems in Drafting	1
ENGR 130 Engineering Graphics	3
MATH 130 Elementary Algebra	4
PHYS 110 Introduction to College Physics	4
Total Units	36.5-37

Architectural Design

Required Courses:

ART 111	Beginning Drawing	3
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 188	Multimedia Portfolio and Resume Production	3
DRAF 158	Perspective	2
DRAF161	Residential CAD	2
DRAF 190	Computer Imaging Practices for Industry and Architecture	3

Total Units 19

Architectural Drafting - CAD

Required Courses:

		Units
ART 153	Digital Media Production I	3
DRAF 109	Intermediate Computer Aided Drafting (CAD)	2.5
or		
ENGR 125	Introduction to Engineering CAD	2
DRAF 150	Introduction to Architecture	3
DRAF 151	Basic Residential Floor Plans and Functional Design	3
DRAF 152	Basic Residential Structure Design and Drafting	3
DRAF 154	Commercial and Industrial Buildings	3
DRAF 160	Introduction to Architectural CAD	2

EMPLOYMENT OPPORTUNITY: Entry level architectural drafter

Total Units 19-19.5

ELECTRONICS TECHNICIAN

Electronics technology is a two-year program which may be applied toward a four-year degree in engineering technology. Employment opportunities are available in many areas including research and development, industrial maintenance, field service, aerospace and commercial systems testing. Upon completion of the Electronics Technician certificate of achievement the student is prepared to take the examination for a first class commercial license from the Federal Communications Commission and can be employed as an electronics technician.

Required Courses:

ELEC 101	Electronics Fundamentals	4
ELEC 102	Electronics Communications	4
ELEC 201	Digital Electronics	4
ELEC 202	Solid State Devices	4

IT 104	PC Hardware and Maintenance	4
IT 107	Network Technology	4

EMPLOYMENT OPPORTUNITY:

Aerospace Technician, Research and Development Technician, Test Equipment Repair and Calibration Technician

Total Units 24

EMERGENCY MANAGEMENT AND HOMELAND SECURITY

The certificate of achievement in Emergency Management and Homeland Security offers the required courses and learning domains for students to apply for employment with emergency management agencies, such as the local cities and county governments in California and non-profit organizations such as the American Red Cross, and Federal agencies such as the Department of Homeland Security (FEMA).

Students must complete all of the following courses:

		Units
EMER 162	Principles of Emergency Management	3
EMER 163	Terrorism and Emergency Management	3
EMER 164	Managing Hazardous Materials Incidents	3
EMER 166	Emergency Planning and Methodology	3

Plus a minimum of 3 units selected from the following:

EMER 167	Practical Applications of Emergency Management	3
EMER 168	Emergency Operations Center (EOC) Management	3
ESCI 180	Introduction to Geographic Information Systems	3

Total Units 15

ENGLISH

Literature

This certificate of achievement requires the successful completion of 12 units of literature courses and may be used as verification of literature knowledge or competency for entry-level jobs in fields such as tutoring, editing and publishing, journalism, theater and entertainment.

Reading and Composition

Select one of the following:

ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition	3

English Literature

Select one of the following

ENGL 251	Introduction to English Literature I	3
ENGL 252	Introduction to English Literature II	3

U.S. American Literature

Select one of the following:

ENGL 261	Introduction to U.S. American Literature I	3
ENGL 262	Introduction to U.S. American Literature II	3

World Literature

Select one of the following:

ENGL 271	Introduction to World Literature: Ancient - Early Modern	3
ENGL 272	Introduction to World Literature: 1600's through Twentieth Century	3

Total Units 12

Writing Competency

This certificate of achievement requires the successful completion of 12 units of English composition coursework and may be used as verification of writing competency for entry-level jobs in fields including composition tutoring, editing and publishing, journalism, pre-law, theater and entertainment, freelance writing, and university or college teacher assisting.

Reading and Composition

Select one of the following:

ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition	3
ESL 101	Reading and Composition	3

Composition and Critical Thinking

Select one of the following:

ENGL 103	Composition and Critical Thinking	3
ENGL 103H	Composition and Critical Thinking	3

Composition

Select one of the following:

COMM 101	Reporting and Writing News	3
ENGL 100	Fundamentals of Composition	3
ESL 100	Fundamentals of Composition	4

Rhetoric

Select the following:

ENGL 104	Advanced Rhetoric: The Classical Essay	3
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Total Units 12 - 13

ENERGY SYSTEMS TECHNOLOGY

Building Systems Design Technology

This certificate of achievement is designed to prepare students for employment in the field of Building Systems Design. Courses prepare students for designing building systems with an emphasis on sustainability and energy efficiency. Employment as a building systems technician is available in both the public and private sectors.

BUS 152	Business Communications	3
DRAF 101	Introduction to Computer Aided Design (CAD)	3
DRAF 154	Commercial and Industrial Buildings	3
DRAF 698A	Cooperative Education	1
DRAF 698B	Cooperative Education	2
DRAF 698C	Cooperative Education	3
DRAF 698D	Cooperative Education	4
ELEC 101	Electronics Fundamentals	4
ENGR 100	Principles of Technology	3
ENGR 125	Introduction to Engineering CAD	2
EST 101	Introduction to Building Systems	1
EST 150	Green Building Systems Technology	3
HEAT 170	Air Conditioning I	2
PUB 164	Plan Interpretation and Cost Estimating	3

Total Units 28-30

Building Systems Maintenance and Operations Technology

This certificate of achievement is designed to prepare students for employment in the field of Building Systems Maintenance and Operations. Courses prepare students for the maintenance and repair of the computerized and electronic systems in modern buildings with an emphasis on energy conservation. Employment as a building systems maintenance and operations technician is available in both the public and private sectors.

	BUS 152	
	Business Communications	3
ELEC 101	Electronics Fundamentals	4
	or	
ELEC 102	Electronics Communications	4

		Units
ENGR 100	Principles of Technology	3
EST 101	Introduction to Building Systems	1
EST 150	Green Building Systems Technology	3
HEAT 170	Air Conditioning I	2
HEAT 184	Electricity for Heating and Air Conditioning	2
HEAT 186	Control Systems	2
HEAT 188	Trouble Shooting Heating and Air Conditioning	2
HEAT 698A	Cooperative Education	1
HEAT 698B	Cooperative Education	2
HEAT 698C	Cooperative Education	3
HEAT 698D	Cooperative Education	4

Total Units 28-30

ESTHETICIAN

This program is designed to educate and train students in the fundamental skills needed to successfully complete and pass the California State Board Exam. The program provides a distinct education in esthetic applications, values, theoretical science and State Board preparedness which includes, but is not limited to, makeup design, training in electrical modalities, hair removal, facials for specific skin types and proper sanitation and disinfecting procedures. The program also provides interpersonal interaction with clients and other students. The focus is on personal satisfaction, study skills, trained applications, and professionalism, which are required to become a successful licensed esthetician and for an entry-level career in the field of esthetics.

The need for professional estheticians continues to grow in new and exciting ways, providing ample room for personal success in a variety of career paths. This program prepares students for operational and financial success as estheticians.

Required Courses:

COS 199 A	Esthetician I	8
COS 199 B	Esthetician II	8
COS 199 C	Esthetician Salon Success	3

Total Units 19

FINE ARTS

Digital and Web Design

The Digital and Web Design certificate of achievement is designed to introduce and develop the basic skills necessary for success as an entry level graphic, digital or web designer. Fundamental to the core of a strong design sensibility, the computer is an essential tool for design success and a complement to composition, design principles, layout, and typography.

		Units
ART 111	Beginning Drawing	3
ART 120	Two-Dimensional Design	3
ART 150	Computer Art Basics	3
ART 153	Digital Media Production I	3
ART 158	Commercial Graphic Design	3
ART 162	Computer Graphics I	3
ART 167	Web Design I	3
ART 168	Computer Animation I	3
ART 189	Art Portfolio and Resume Production	3
PHTO 101	Basic Photography	3
Total Units		30

HEATING AND AIR CONDITIONING

This program is designed to prepare students who wish to seek employment in the heating and air conditioning industry or qualify for a more responsible position within the field. Courses prepare students for the EPA exam, which is required in this industry. Employment as a technician is available in both the public and the private sectors.

Required Courses:

HEAT 170	Air Conditioning I	2
HEAT 180	Air Conditioning II	2
HEAT 182	Heating - Electrical and Gas	2
HEAT 184	Electricity for Heating and Air Conditioning	2

Plus 2 of the following:

HEAT 186	Control Systems	2
HEAT 188	Trouble Shooting Heating and Air Conditioning	2
DRAF 101	CAD (Computer Aided Design) and Mechanical Drawing	3
DRAF 154	Commercial and Industrial Buildings	3
PUB 164	Plan Interpretation and Cost Estimating	3
EST 150	Green Building Systems Technology	3
ELEC 101	Electronics Fundamentals	4
TECH 100	Principles of Technology	3

Total Units 12-15

INFORMATION TECHNOLOGY

The Information Technology certificate of achievement prepares students for careers as: computer technicians, I.T. sales associates, field service technicians, server administrators, system administrators, web support specialists, I.T. project managers, software support technicians, device integration specialists, as well as storage and backup specialists. Throughout the course of the program, students will develop the skills sought after by IT employers. These include networking, security, IP communications, project management, software support, device integration, as well as ethics. During the program the students will have the opportunity to complete industry certifications from CompTIA which include A+, Network+, Server+, and Security+. Program content will also cover industry certifications for Macintosh and Microsoft.

Required Courses:		Units
IT 104	PC Hardware and Maintenance	4
IT 107	Network Technology	4
IT 108	Networking Operating Systems	4
IT 109	Network and Computer Security	4

Complete a minimum of six (6) units from the following electives:

BUS 130	Introduction to Business	3
BUS 132	Ethics in Business	3
CSIS 111	Introduction to Programming Concepts and Design	4
IT 110	Virtual Computing	4
IT 698B	Cooperative Education	2
IT 698D	Cooperative Education	4
IT 699B	Cooperative Education	2
IT 699D	Cooperative Education	4
PHIL 110	Philosophy/Logic	3
SPCH 100	Interpersonal Communication	3

A course may be used only once to fulfill the certificate requirements. IT 698/699 may be taken more than once; however, no more than four units may be used towards the certificate requirements.

Total Units 22

LIBRARY TECHNOLOGY

The Library Technology Program trains students for paraprofessional work in the library field. The skills, attitudes, and knowledge learned through the Library Technology Program are ones that have broad applications in positions in elementary, secondary, academic research, public and special libraries. While emphasizing technical skills and competence in information researching, the program also values interpersonal skills. Students who successfully complete the program may receive a certificate of achievement in Library Technology.

Required Courses:		Units
LIBT 101	Introduction to Library Public Services	2
LIBT 102	Reference Sources and Research Methods	3
LIBT 201	Introduction to Cataloging	3
LIBT 203	Introduction to Acquisitions	2
LIBT 295	Audiovisual Services	3
CSIS 130	Microcomputer Applications I	4

Plus one elective below:

LIBT 290	Children's Library Services	2
ART 150	Computer Art Basics	3
ART 153	Digital Media Production I	3
ART 162	Computer Graphics I	3
ART 163	Computer Graphics II	3
ART 167	Web Design I	3
ART 267	Web Design II	3
CSIS 105	Introduction to Windows and Personal Computers	2
CSIS 107	Fundamentals of Information Technology	4
CSIS 109	Network and Computer Security	4
CSIS 119	Introduction to Web Programming	3
CSIS 150	Web Development with Dreamweaver I	2
CSIS 154	Web Development with Fireworks	2
CSIS 156	Web Development with Flash	2
CSIS 162	Electronic Spreadsheets Using Microsoft Excel	3
CSIS 166	Introduction of PowerPoint	2
CSIS 167	Introduction to MS Publisher	2
CSIS 168	Designing Web Sites	3
CSIS 175	Introduction to Access	2
CSIS 230	Microcomputer Applications II	4
ELEC 120	Introduction to Computer Technology	3
IT 104	PC Hardware and Maintenance	4
IT 107	Network Technology	4
IT 108	Networking Operating Systems	4
IT 109	Network and Computer Security	4
OFF 101	Introduction to Microsoft Office Applications	3
OFF 120	Excel Spreadsheet	2
OFF 260	Computer Keyboarding and Document	

TECH 100	Principles of Technology	3
OFF 294	Beginning Microsoft Word	2
PHTO 101	Basic Photography	3

Employment Opportunity: Library Technician
Total Units 19 - 21

MEDIUM AND HEAVY TRUCK SERVICE, DIAGNOSIS AND REPAIR TECHNICIAN

The courses listed in the Medium and Heavy Duty Truck Service, Diagnosis and Repair Technician certificate of achievement are selected to provide a comprehensive set of job skills needed by medium and heavy duty truck technicians, bus technicians and heavy equipment technicians. In addition to improving the student's employability, the skills developed in the program will enhance their ability to become an Automotive Service Excellence (ASE) Medium/Heavy Truck, Truck Equipment, School Bus, Transit Bus and/or Alternative Fuels certified technician.

Required Courses:		Units
AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
AUTO 156	Automotive Electrical/Electronic Systems I	4
or		
AUTO 146	Automotive Electrical Systems	4
MTRK 151	Medium and Heavy Truck Engines Service, Diagnosis, and Repair	5
MTRK 152	Medium and Heavy Truck Drivetrain Service, Diagnosis, and Repair	5
MTRK 154	Medium and Heavy Truck Chassis Service, Diagnosis, and Repair	5
AUTO 149	Diesel Engine Management Systems	4

Plus a minimum of four (4) units from the following electives:

AUTO 166	Automotive Electrical/Electronic Systems II	3
AUTO 167	Automotive HVAC Service, Diagnosis & Repair	3
MTRK 190	Introduction to Compressed Natural Gas Vehicles	3
AUTO 230A	Automotive Service and Repair Work Experience A	1
AUTO 230B	Automotive Service and Repair Work Experience B	2
AUTO 230C	Automotive Service and Repair Work Experience C	3
AUTO 230D	Automotive Service and Repair Work Experience D	4
Total Units		32

*MOTORCYCLE SERVICE, DIAGNOSIS, AND REPAIR TECHNICIAN

The courses listed in the Motorcycle Service, Diagnosis and Repair Technician certificate of achievement are selected to provide a comprehensive set of job skills needed by motorcycle technicians. The certificate is designed to prepare an individual for employment or provide the skills needed for career advancement.

Required Courses:		Units
MOTO 101	Fundamentals of Motorcycle Service, Diagnosis and Repair	5
or		
AUTO 101	Fundamentals of Automotive Service, Diagnosis and Repair	5
MOTO 141	Motorcycle Engine Mechanical Systems Service, Diagnosis & Repair	4
MOTO 142	Motorcycle Power Transmission System Service, Diagnosis & Repair	5
MOTO 144	Motorcycle Chassis System Service, Diagnosis & Repair	5
MOTO 146	Motorcycle Electrical System Service, Diagnosis & Repair	4
MOTO 148	Motorcycle Engine Management System Service, Diagnosis & Repair	5
Total Units		28

*Pending Chancellor's Office Approval

PHOTOGRAPHY

Required Courses:		Units
PHTO 101	Basic Photography	3
PHTO 102	Intermediate Photography	3
PHTO 103	Advanced Photography	3
PHTO 215	Electronic Photo Imaging	3

ELECTIVES: Plus three of the following

PHTO 125	Photography as an Art Medium	3
PHTO 126	Advanced Photography as an Art Medium	3
PHTO 205	Color Photography	3
PHTO 206	Intermediate Color Photography	3

EMPLOYMENT OPPORTUNITY: Entry-level photography technician, salesperson, self-employment
Total Units 21

PUBLIC WORKS I

These course offerings prepare new personnel for public works occupations and provide upgrading within these occupations. Job opportunities exist in both the public and private sectors.

EMPLOYMENT OPPORTUNITY:

Public Works Employees

Required Courses:

	Units
PUB 150 Public Works I	3
PUB 151 Street Construction and Maintenance	3
PUB 155 Public Works Inspection	3
PUB 157 Asphalt and Portland Cement	3
MATH 115 Business Mathematics or a higher level math course	3-4

Select 1 of the following:

PUB 154 Soils - Trenching and Grading	3
PUB 156 Concrete Structures and Inspection	3
PUB 158 Municipal and Urban Tree	3
PUB 161 California Occupational Safety and Health	3
PUB 162 Traffic Control Standards, Practices, and Policies	3
PUB 165 Environmental Management in Public Works	3

Total Units 18 - 19

PUBLIC WORKS II

This certificate of achievement prepares those already working in the Public Works field for promotion to supervisor or manager. Job opportunities exist in both the public and private sectors.

EMPLOYMENT OPPORTUNITY: public works crew leader, street division supervisor, maintenance supervisor, field operations manager

Students must complete the Public Works I certificate of achievement and then complete:

18 - 20

Required Courses

PUB 160 Public Administration	3
PUB 164 Plan Interpretation and Cost Estimating	3
PUB 166 Supervision in Public Works	3
CSIS 130 Microcomputer Applications I	4

Select 2 of the following:

BUS 172 Personnel Management	3
BUS 175 Introduction to Management	3
BUS 176 Management for the Office Professional	3
PUB 154 Soils - Trenching and Grading	3
PUB 156 Concrete Structures and Inspection	3
PUB 158 Municipal and Urban Tree	3

	Units
PUB 161 California Occupational Safety and Health	3
PUB 162 Traffic Control Standards, Practices, and Policies	3
PUB 165 Environmental Management in Public Works	3

Total Units 37 - 39

PUBLIC WORKS/LANDSCAPE MANAGEMENT

This program of study will prepare students who want to enter or seek a promotion in the public landscaping field. Job opportunities include public works maintenance worker, arborist, landscape and park maintenance workers. This program is a partnership between Citrus College and Mt. San Antonio College, with course requirements that must be taken at each college (courses in Public Works are offered through Citrus, while horticulture and landscape courses are offered at Mt. SAC). Upon completion of the program requirements, students may apply for and receive a certificate of achievement from either of the two colleges.

Citrus College Required Courses:

PUB 150 Public Works I	3
PUB 158 Municipal and Urban Tree	3

Mt. San Antonio College Required Courses:

AGOR 1 Horticultural Science	3
AGOR 39 Turf Management	3

Total Units 12

THEATRE

Emerging Theatre Technologies

The following courses are required for an Emerging Theatre Technologies certificate of achievement.

Required Courses:

	Units
THEA 101 Introduction to Theatre Arts	3
THEA 130 Introduction to Theatrical Scenery	3
THEA 140 Introduction to Lighting for Theatre, Television and Film	3
THEA 150 Introduction to Intelligent Lighting Systems for Theatre	3
THEA 160 Computer Aided Design for Theatre	4
THEA 245 Stage and Project Management for Theatre, TV and Film	3
THEA 260 Introduction to Show Production Systems	3
THEA 698C Cooperative Education	3
THEA 699A Cooperative Education	1
REC 135 Live Sound Reinforcement	4
REC 255 Advanced Live Sound Reinforcement	4

Total Units 34

VOCATIONAL NURSING

Successful completion of the program studies allows the student to become eligible to take the State Board Examination for Licensed Vocational Nurse-NCLEX.

EMPLOYMENT OPPORTUNITY: vocational nurse

VOCATIONAL NURSING

Required Courses:

VNRS 150	Fundamentals of Nursing	3
VNRS 151L	Fundamentals of Nursing Lab	3
VNRS 152	Pharmacology I	1
VNRS 153	Introductory Nutrition for the Vocational Nurse	1
VNRS 154	Body Structure and Function for the Vocational Nurse I	1.5
VNRS 155	Social Psychology for the Vocational Nurse	1
VNRS 160	Medical-Surgical Nursing I	3
VNRS 161L	Medical-Surgical Nursing I Lab	3
VNRS 162	Pharmacology II	1
VNRS 163	Diet Therapy for the Vocational Nurse	1
VNRS 164	Body Structure and Function for the Vocational Nurse II	1.5
VNRS 165	Growth and Development: Young Adult - Elderly	1
VNRS 170	Medical-Surgical Nursing II	7
VNRS 171L	Medical-Surgical Nursing II Lab	7
VNRS 172	Advanced Pharmacology	2
VNRS 173	Psychology for Vocational Nurses	2
VNRS 180	Pediatric Nursing	3.5
VNRS 181	Growth and Development: Infancy-Adolescence	1
VNRS 182	Obstetrical-Gynecological Nursing	4
VNRS 183	Leadership in Nursing	3

Total Units 50

WATER TECHNOLOGY

This program is designed to prepare students who wish to seek employment in the public water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T-1, T-2, T3, T4 and T5 Water Treatment Operator and D1, D2, D3, D4 and D5 Water Distribution Operator certification examinations given by the Department of Public Health. Coursework also provides contact hours for Operator certification maintenance requirements.

EMPLOYMENT OPPORTUNITY: pumping station operator, water line worker, water maintenance mechanic helper, water motor installer, water service dispatcher, treatment plant operator

WATER TECHNOLOGY

Required Courses:

		Units
MATH 115	Business Mathematics or higher	3 - 5
WATR 150	Introduction to Water Systems	3
WATR 151	Water Resources and Distribution I	3
WATR 156	Water Treatment I	3
WATR 153	Water Resources and Distribution II or	3
WATR 157	Water Treatment II	3
Select one course from the following:		
BIOL 145	Environmental Science	3
PUB 155	Public Works Inspection	3
PUB 160	Public Administration	3
PUB 161	California Occupational Safety and Health	3
PUB 166	Supervision in Public Works	3
WATR 162	Water Conservation	3

Total Units 18 - 20

WILDLAND RESOURCES AND FORESTRY

A certificate of achievement in Wildland Resources and Forestry prepares students for pre-professional careers and for transfer into a four-year university leading to a baccalaureate degree in such areas as biology, botany, conservation, ecology, education, environmental science, forestry, horticulture, organismal biology, natural resources, rangeland management, recreation, soil science, wildland fire management and wildlife management.

The Wildland Resources and Forestry student is also prepared to enter professional programs/careers of specialized study/work in such areas as agriculture, conservation biology, resource ecology, entomology, environmental protection, fisheries and wildlife, forest management, hydrology, limnology, natural resources, naturalist, park ranger, soil science, silvicultural practice, wildlife law enforcement and zoology. Those students who do not intend to transfer may take the courses for either direct vocational application or for general interest.

Required Courses:

		Units
FOR 101	Introduction to Forestry	3
FOR 102	Introduction to Forest Ecology	3
FOR 103	Plant Identification	3
FOR 104	Introduction to Outdoor Recreation	3
FOR 105	Wildland Fire Management	3
FOR 106	Principles of Wildlife Management and Ecology	3
ESCI 180	Introduction to Geographic Information Systems	3

EMPLOYMENT OPPORTUNITY:

Entry level positions for federal, state and private employers. Areas of opportunity include biological technician, conservation scientist, environmental technician, forestry aid, forest biologist, forestry technician, naturalist, park assistant, resource ecologist, survey technician aid, and wildlife biologist.

Total Units 21



The author of nearly 30 books, English instructor Dr. Dale Salwak also pursues a second career as a magician. His skills in magic earned him an invitation to perform at the 26th Annual Spring Friendship Art Festival in North Korea.

My Citrus Story—Claudia Cervantes

“Upon enrolling at Citrus, I found Dr. Dale Salwak who, more than being my English professor, became my mentor and encouraged me to realize my hidden potential . . . there is a magic unveiled when you start to believe in yourself.”

How Can I Earn a Skill Award from Citrus College?

Programs of Study Leading to a Skill Award

Some departments, based on the satisfactory completion of a course or a sequence of courses, issue a Skill Award. Total units taken for a Skill Award may not exceed 17.5 units. A Skill Award may verify and provide documentation of proficiency for entry-level employment requirements, job upgrades and application into fields that require documentation of specific course-work.

Programs of Study Leading to a Skill Award

Automotive Technology

Engine Rebuilding & Machining

Child Development

Child Development Associate Teacher

Infant & Child Development Associate Teacher

Health Sciences

Activity Coordinator

Activity & Social Service Documentation

Emergency Medical Technician

Hospital Unit Clerk

Medical Terminology

Sub-Acute/Pediatrics Activity Leader

Nursing

Drugs and Solutions

Home Health Aide

Nurse Assistant

Office Technology

General Office Clerk

Information/File Clerk

AUTOMOTIVE TECHNOLOGY

ENGINE REBUILDING AND MACHINING

REQUIRED COURSES:

	Units
AUTO 295 Engine Design	4
AUTO 296 Cylinder Head Development	4
AUTO 297 Cylinder Block Development	4

EMPLOYMENT OPPORTUNITY:

Entry level engine machinist

Total Units 12



Citrus College students who are interested in a career in child development can train at the Orfalea Child Development Center. The CDC offers a setting that develops skills needed in the child development profession.

CHILD DEVELOPMENT

CHILD DEVELOPMENT ASSOCIATE TEACHER

REQUIRED COURSES:

		Units
CHLD 110	Early Childhood Development	3
	or	
PSY 206	Child Growth and Development	3
	or	
PSY 206H	Child Growth and Development - Honors	3
CHLD 112	Principles of Early Childhood Education I	3
CHLD 114	Home-Child-Community Relations	3

Plus three units of electives

CHLD 120	Literacy for Children	3
CHLD 121	Art for Children	2
CHLD 122	Music and Rhythms for Children	2
CHLD 123	Science Experiences for Children	1
CHLD 124	Mathematics for Children	1
CHLD 144	Health, Safety and Nutrition for Young Children	3

Plus Early Childhood Work Experience (Cooperative Education), which counts toward the 50 days of required experience.

EMPLOYMENT OPPORTUNITY: This program prepares students to work as a child development aide or assistant in a public or private preschool, Headstart program or day care center, or as a teacher in a private program. Upon completion of the program, students may apply for the Child Development Permit: Associate Teacher Level.

Total Units 12

INFANT AND CHILD DEVELOPMENT ASSOCIATE TEACHER

REQUIRED COURSES:	Units
Completion of the Child Development Associate Teacher Skill Award plus:	12
CHLD 130 Infant Development and Group Care	3

EMPLOYMENT OPPORTUNITY: This program prepares you to work as a child development aide or assistant in a public or private preschool, Headstart program or day care center, or as a teacher in a private infant or preschool program.

Total Units 15

HEALTH SCIENCES

ACTIVITY COORDINATOR

REQUIRED COURSE:	Units
HEAL 264 Activity Coordinator	3

EMPLOYMENT OPPORTUNITY: Skilled nursing facility activity leader I

Total Units 3

ACTIVITY & SOCIAL SERVICE DOCUMENTATION

REQUIRED COURSE:	Units
HEAL 266 Activity and Social Service Documentation	2

EMPLOYMENT OPPORTUNITY: Advanced activity leader II

Total Units 2

EMERGENCY MEDICAL TECHNICIAN

REQUIRED COURSE:	Units
HEAL 161 Emergency Medical Technician - Basic	7

EMPLOYMENT OPPORTUNITY:

Total Units 7

HOSPITAL UNIT CLERK

REQUIRED COURSE:	Units
HEAL 105 Hospital Unit Coordinator	5

EMPLOYMENT OPPORTUNITY: Ward clerk, unit secretary

Total Units 5

MEDICAL TERMINOLOGY

REQUIRED COURSE:	Units
HEAL 156 Medical Terminology	3

EMPLOYMENT OPPORTUNITY: Preparation for health career.

SUB-ACUTE/PEDIATRICS ACTIVITY LEADER

REQUIRED COURSE:	Units
HEA L 264 Activity Coordinator	3

EMPLOYMENT OPPORTUNITY: Pediatric nursing activity leader I.

Total Units 3

NURSING

DRUGS AND SOLUTIONS

REQUIRED COURSE:	Units
NRS 260 Drugs and Solutions	3

EMPLOYMENT OPPORTUNITY: Assist CNA to challenge the LVN licensure exam NCLEX-PN.

Total Units 3

HOME HEALTH AIDE

REQUIRED COURSE:	Units
NRS 102 Home Health Aide	2

EMPLOYMENT OPPORTUNITY: Home health aide

Total Units 2

NURSE ASSISTANT

REQUIRED COURSE:	Units
NRS 101 Nurse Assistant	5

EMPLOYMENT OPPORTUNITY: Certified nurse assistant, acute care nurse aide

Total Units 5



Students enrolled in Citrus College's health occupations programs have the opportunity to obtain practical experience with local health care providers.

OFFICE TECHNOLOGY

The General Office Clerk skill award is given upon completion of a series of courses that provide the student with mid-level office skills and employment training for positions in the business office environment. In addition to all of the courses required for the Information/File Clerk Award, the student will take additional courses designed to significantly increase the student's knowledge and proficiency in professional office responsibilities.

GENERAL OFFICE CLERK

Required Courses:

OFF 101	Introduction to Microsoft Office Applications	3
OFF 215	Introduction to Microsoft Outlook	2
OFF 260	Computer Keyboarding and Document Processing	3
OFF 281	Filing and Records Management	3
OFF 291	Introduction to Technology	2
OFF 294	Beginning Microsoft Word	2

Select two Professional Development Series courses:

OFF 154	Professional Development: Interpersonal Skills	1
OFF 155	Professional Development Series: Business Etiquette and Protocol	1
OFF 156	Professional Development Series: Team Dynamics	1
OFF 157	Professional Development Series: Customer Relations and Rapport	1
OFF 158	Professional Development Series: Leadership in Organizations	1
OFF 159	Professional Development Series: Career Planning and Networking	1
OFF 160	Professional Development Series: Professional Image	1
OFF 161	Professional Development Series: Interview Styles & Strategies	1

Total Units 17

INFORMATION/FILE CLERK

The Information/File Clerk skill award is given upon completion of a series of courses that provide the student with entry-level office skills and employment training for entry-level positions in the business office environment.

Required Courses:

		Units
OFF 101	Introduction to Microsoft Office Applications	3
OFF 215	Introduction to Microsoft Outlook	2
OFF 260	Computer Keyboarding and Document Processing	3
	or	
OFF 057	Computer Keyboarding	1
OFF 281	Filing and Records Management	3

Select one of the following Professional Development Series courses:

OFF 154	Professional Development – Interpersonal Skills	1
OFF 155	Professional Development Series— Business Etiquette and Protocol	1
OFF 156	Professional Development Series: Team Dynamics	1
OFF 157	Professional Development Series: Customer Relations and Rapport	1
OFF 158	Professional Development Series: Leadership in Organizations	1
OFF 159	Professional Development Series: Career Planning and Networking	1
OFF 160	Professional Development Series: Professional Image	1
OFF 161	Professional Development Series: Interview Styles & Strategies	1

Total Units 10-12

How Do I Transfer to a Four-Year College or University?

Transfer Policies and Guidelines

University of California

The University of California System (UC) consists of 10 campuses.

Berkeley
Davis
Irvine
Los Angeles
Merced
Riverside
San Diego
San Francisco (Medical Center)
Santa Barbara
Santa Cruz

What UC Offers

Each campus within the UC system has its own unique geographic and academic character. The UC offers bachelor's, master's, and doctoral degrees in a variety of subject areas.

One of the world's most respected research university systems, the University of California offers its undergraduates an unmatched range of distinguished academic programs. Its dynamic learning environment is fueled by more than 7,600 dedicated, accomplished faculty members teaching more than 200,000 of the country's best and brightest students.

Outside the classroom, UC students can tap into extensive libraries and research facilities and a range of student clubs and activities where they can explore their interests.

Beyond the university, graduates enjoy high acceptance rates at graduate and professional schools and compete successfully in the job market, often becoming leaders in their fields.

UC and the Community College Advantage

The University of California works in partnership with California's community colleges to make admission attainable for transfer students. Specifically, California community college students receive:

Priority consideration: The University gives junior-level community college students first priority over other transfer applicants, including those from four-year institutions and UC's own intercampus transfer students.

Help in choosing courses: Articulation agreements with all of the state's community colleges identify which courses satisfy the requirements of individual UC campuses.

Guaranteed admission: Many UC campuses offer individual admission agreements that guarantee students space on campus or in a particular major, provided they complete specific academic requirements while at community college. The Citrus College Career/Transfer Center has Transfer Admission Guarantee (TAG's) with Davis, Irvine, Merced, Riverside, San Diego, Santa Barbara and Santa Cruz. Students are urged to avoid the competition and secure an admission guarantee by signing a TAG as soon as possible.

Transfer Eligibility Requirements

The UC considers a student a transfer applicant if they are enrolled in a regular session at a college or university after high school, not including summer session. The student's college record cannot be disregarded; they cannot apply as a freshman. A maximum of 70 semester units of transferable credit will be accepted for courses completed at a California community college.

Junior-Level Transfer

The vast majority of transfer students come to the University at the junior level from California community colleges. To be eligible for admission as a junior transfer student, a student must fulfill both of the following criteria:

- 1) Complete 60 semester units of transferable college credit with at least a 2.4 GPA (2.8 for nonresidents). No more than 14 semester units may be taken Pass/No Pass.
- 2) Complete the following seven transferable college courses, earning as grade of C or better in each course:
 - Two courses in English composition;
 - One course in mathematical concepts and quantitative reasoning;
 - Four courses chosen from at least two of these subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

If you satisfy the Intersegmental General Education Transfer Curriculum (IGETC) prior to transferring to UC, you may satisfy the seven-course pattern outlined above, depending on the courses you take.

Each course in this pattern must be worth at least three semester units and you must earn a grade of C or better in each course. For information about which community college courses are UC transferable and which are approved for UC Transfer Admissions Eligibility, visit www.assist.org.

Lower-Division (Freshman/Sophomore)

Transfer

Students are also eligible to transfer if they were eligible for admission to the university as a freshman when they graduated from high school, and have a C (2.0) average in your transferable college coursework. The University admits some transfer students before they reach junior standing if they have met specific requirements.

- Eligibility for admission to the University when a student graduated from high school means they satisfied the Subject Scholarship and Examination requirements and have a 2.0 GPA in transferable coursework completed thus far.
- If a student met the Scholarship Requirement in high school but did not satisfy the 15-course Subject Requirement, they must take transferable college courses in the missing subjects, earn a C or better in each required course and maintain a 2.0 GPA in all transferable coursework to be eligible for transfer.

Nonresident

The minimum admission requirements for nonresidents are very similar to those for residents. Non California residents must consult with the admissions office at one of the university campuses for details. In all cases, however, nonresidents must have a grade point average of 2.8 or higher in all transferable college coursework.

Intersegmental General Education Transfer Curriculum (IGETC)

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the University of California (UC) or the California State University (CSU) Systems without the need to complete additional lower-division general education courses. The IGETC is not an admission requirement for transfer to UC or CSU, nor is it the only way to fulfill prior to transfer, the lower-division, general education requirements of UC or CSU. Students pursuing majors that require extensive lower-division preparation may not find the IGETC option to be advantageous. Students with Advanced Placement (AP) Examinations may be able to use them towards credit for IGETC. A minimum grade of C is required in each course.

AREA 1 - ENGLISH COMMUNICATION

CSU - 3 courses required, one each from Group A, B and C.

UC - 2 courses required, one each from Group A and B.

1A - English Composition

1 course, 3 semester units.

ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition - Honors	3

1B - Critical Thinking - English Composition

1 course, 3 semester units.

ENGL 103	Composition and Critical Thinking	3
ENGL 103H	Composition and Critical Thinking - Honors	3
ENGL 104	Advanced Rhetoric: The Classical Essay	3

1C - Oral Communication (CSU requirement only)

1 course, 3 semester units.

SPCH 101	Public Address	3
SPCH 101H	Public Address - Honors	3
SPCH 103	Argumentation and Debate	3

AREA 2 - MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING

1 course, 3 semester units.

2A - Math

MATH 162	Introductory Mathematical Analysis	4
MATH 165	Introductory Statistics	4
MATH 165H	Introductory Statistics - Honors	4
MATH 170	College Algebra	3
MATH 175	Pre-Calculus	4
MATH 190	Calculus with Analytic Geometry	4
MATH 191	Calculus with Analytic Geometry II	4
MATH 210	Calculus with Analytic Geometry III	4
MATH 211	Differential Equations	4
MATH 212	Introduction to Linear Algebra	4
PSY 203	Research Methods in the Behavioral Sciences	3

AREA 3 - ARTS and HUMANITIES

At least 3 courses, with at least one course from the arts and one course from the humanities. 9 semester units.

3A - Arts

ART 100	Art History and Appreciation - Fundamentals	3
ART 101	Art History and Appreciation - Ancient	3

ART 102	Art History and Appreciation - Medieval	3
ART 103	Art History and Appreciation - Renaissance to Rococo	3
ART 104	Art History and Appreciation - 19th Century Art	3
ART 105	Art History and Appreciation - Early 20th Century Art	3
ART 106	Art History and Appreciation - Pre-Columbian	3
ART 110	Introduction to the Visual Arts	3
ART 199	Motion Picture Appreciation	3
ART 200	History of Motion Pictures	3
ART 201	History of Motion Pictures	3
ART 206	History of Latin American Art	3
ART 207	History of Asian Art - China, Korea and Japan	3
COMM 136	Cultural History of American Films	3
DANC 102	History of Dance	3
MUS 110	History of Music I	3
MUS 111	History of Music II	3
MUS 113	History of Rock & Roll	3
MUS 114	Music Appreciation	3
MUS 218	History of Jazz	3
MUS 225	Introduction to American Music	3
THEA 101	Introduction to Theatre Arts	3
THEA 200	The Art of The Theater	3

3B - Humanities

ENGL 213	Horror Literature	3
ENGL 213H	Horror Literature - Honors	3
ENGL 251	Introduction to English Literature I	3
ENGL 252	Introduction to English Literature II	3
ENGL 261	Introduction to U.S. American Literature I	3
ENGL 262	Introduction to U.S. American Literature II	3
ENGL 271	Introduction to World Literature: Ancient to Early Modern	3
ENGL 272	Introduction to World Literature: 1600s through 20th Century	3
ENGL 291	Film as Literature	3
ENGL 291H	Film as Literature - Honors	3
ENGL 293	Children's Literature	3
ENGL 293H	Children's Literature - Honors	3
ENGL 294	Introduction to Shakespeare	3
ENGL 296	Introduction to Folklore	3
ENGL 298	Literature of the Bible	3
FREN 102	French II	5
FREN 201	French III	5
FREN 202	French IV	5
GER 102	German II	5
GER 201	German III	5
GER 202	German IV	4

HIST 103	History of World Civilization up to 1500	3
HIST 103H	World Civilization up to 1500 - Honors	3
HIST 104	History of World Civilization Since 1500	3
HIST 105	History of World Civilization - The 20th Century	3
HIST 107	History of the United States Before 1877	3
HIST 107H	History of the United States Before 1877 - Honors	3
HIST 108	Political and Social History of the United States	3
HIST 108H	Political and Social History of the United States - Honors	3
HIST 127	Spanish Civilization (cross listed with SPAN 127)	3
HIST 140	History of the American West	3
HUM 101	Humanities	3
HUM 101H	Humanities - Honors	3
HUM 102	Humanities	3
HUM 110	Humanities in the 20th Century	3
HUM 111	Humanities through the Arts	3
JPN 102	Japanese II	5
PHIL 101	Great Religions of the World	3
PHIL 106	Introduction to Philosophy	3
PHIL 106H	Introduction to Philosophy - Honors	3
PHIL 108	Philosophy/Ethics	3
SPAN 102	Spanish II	5
SPAN 127	Spanish Civilization (cross listed with HIST 127)	3
SPAN 201	Spanish III	5
SPAN 202	Spanish IV	5
SPAN 210	Intermediate Spanish for Speakers of Spanish	5
SPAN 211	Reading and Composition for Speakers of Spanish II	5

AREA 4 - SOCIAL and BEHAVIORAL SCIENCES

At least 3 courses from at least 2 disciplines or an interdisciplinary sequence. 9 semester units.

4A - Anthropology and Archaeology

ANTH 210	Introduction to Cultural Anthropology	3
ANTH 210H	Introduction to Cultural Anthropology - Honors	3
ANTH 214	Native North America	3
ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
ANTH 220	Introduction to Archaeology	3

4B - Economics

ECON 100	Survey of Economics	3
ECON 101	Principles of Economics	3
ECON 101H	Principles of Economics - Honors	3
ECON 102	Principles of Economics	3

4C - Ethnic Studies**4D - Gender Studies**

ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
SOC 216	Sex and Gender in a Cross Cultural Perspective (cross listed with ANTH 216)	3

4E - Geography

GEOG 102	Cultural Geography	3
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4F - History

HIST 103	History of World Civilization - up to 1500	3
HIST 103H	History Of World Civilization - up to 1500 - Honors	3
HIST 104	History of World Civilization Since 1500	3
HIST 105	History of World Civilization - The Modern Period	3
HIST 107	History of the United States Before 1877	3
HIST 107H	History of the United States Before 1877 - Honors	3
HIST 108	Political and Social History of the United States	3
HIST 108H	Political and Social History of the United States - Honors	3
HIST 109	The World in Conflict-The 20th Century, a History	3
HIST 110	A Survey History of Africa	3
HIST 111	History of the African-Americans	3
HIST 112	History of the African-Americans	3
HIST 127	Spanish Civilization (cross listed with ANTH 216)	3
HIST 131	History of Latin America to 1825	3
HIST 132	History of Modern Latin America	3
HIST 139	History of California	3
HIST 145	History of Mexico	3
HIST 155	History of the Vietnam War	3
HIST 222	History of World War II	3

4G - Interdisciplinary, Social & Behavioral Sciences

COMM 100	Mass Media and Society	3
SOC 114	Marriage, Family and Intimate Relations	3

4H - Political Science, Government & Legal Institutions

POLI 103	American Government and Politics	3
POLI 103H	American Government and Politics - Honors	3
POLI 104	Introduction to Political Science	3
POLI 105	Comparative Politics	3
POLI 110	Current American Political Issues	3
POLI 116	Contemporary World Politics	3

4I - Psychology

PSY 101	Introduction to Psychology	3
PSY 110	Psychology of Religion I	3
PSY 111	Psychology of Religion II	3
PSY 203	Research Methods In The Behavioral Sciences	3
PSY 205	Developmental Psychology	3
PSY 206	Child Growth and Development	3
PSY 206H	Child Growth and Development - Honors	3
PSY 212	Abnormal Psychology	3
PSY 220	Introduction to Social Psychology	3
PSY 225	Psychology of Human Sexuality	3
PSY 226	Psychology of Women	3

4J - Sociology & Criminology

ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
SOC 118	Minorities in America	3
SOC 122	Introduction to Latino Studies	3
SOC 201	Introduction to Sociology	3
SOC 201H	Introduction to Sociology - Honors	3
SOC 202	Comtemporary Social Problems	3
SOC 203	Criminology	3
SOC 216	Sex and Gender in a Cross Cultural Perspective (cross listed with ANTH 216)	3

AREA 5 - PHYSICAL and BIOLOGICAL SCIENCES

At least 1 course from each area (minimum 7 units), or one of which must include a laboratory.

5A - Physical Science

ASTR 115	Planetary Astronomy	3
ASTR 115H	Planetary Astronomy - Honors	3
ASTR 116	Stellar Astronomy	4
ASTR 117	Life In The Universe	3
CHEM 103	College Chemistry	5
CHEM 104	College Chemistry	5
CHEM 112	General Chemistry	5
CHEM 110	Beginning General Chemistry	5
CHEM 111	General Chemistry	5
CHEM 1112	General Chemistry	5
CHEM 210	Organic Chemistry	3
CHEM 220	Organic Chemistry	3
ESCI 118	Physical Geography	3
ESCI 120	Physical Geology	4
ESCI 121	Historical Geology	4
ESCI 122	Geology: Earth History	3
ESCI 125	California Geology	4
ESCI 130	Physical Oceanography	3
PHYS 105	Physical Science	3
PHYS 110	Introduction to College Physics	4
PHYS 111	Physics for Life Science I	4
PHYS 112	General Physics	4
PHYS 201	Physics	5
PHYS 202	Physics	5
PHYS 203	Physics	5

5B - Biological Science

ANTH 212	Introduction to Physical Anthropology	3
ANTH 212L	Introduction to Physical Anthropology Lab	1
BIOL 102	Human Genetics	3
BIOL 104	Biology: Contemporary Topics	3
BIOL 105	General Biology	4
BIOL 105H	General Biology	4
BIOL 124	Principles of Biology I	5
BIOL 125	Principles of Biology II	5
BIOL 145	Environmental Science	3
BIOL 200	Human Anatomy	4

BIOL 201	Physiology	4
BIOL 220	Microbiology	5

AREA 6 - LANGUAGES OTHER THAN ENGLISH (UC Requirement Only)

Proficiency equivalent to two years of high school study in the same language.

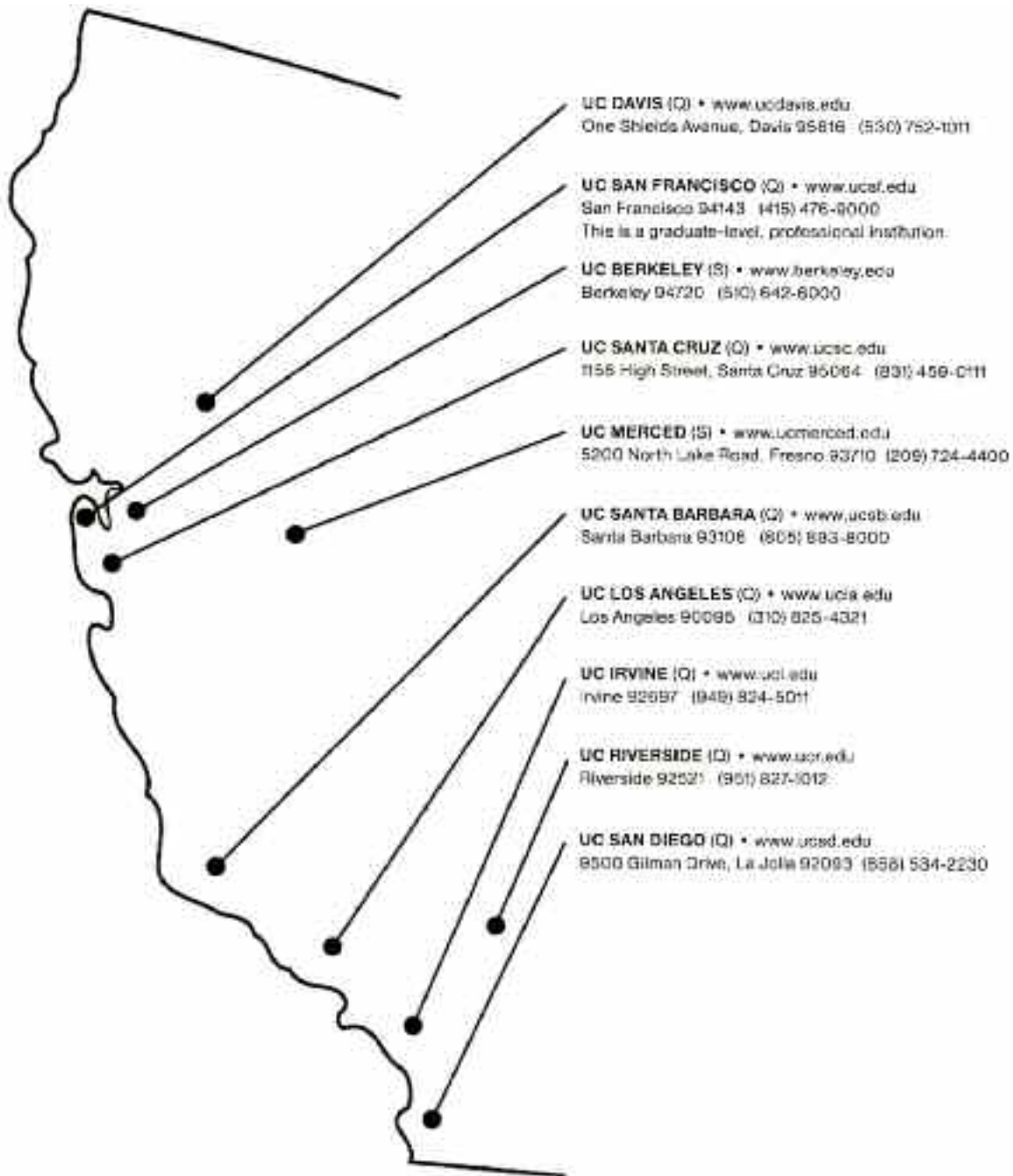
6A - Languages Other Than English

CHIN 102	Chinese II	5
FREN 101	French I	5
FREN 102	French II	5
FREN 201	French III	5
FREN 202	French IV	5
GER 101	German I	5
GER 102	German II	5
GER 201	German III	5
GER 202	German IV	5
JPN 101	Japanese I	5
JPN 102	Japanese II	5
SPAN 101	Spanish I	5
SPAN 102	Spanish II	5
SPAN 201	Spanish III	5
SPAN 202	Spanish IV	5
SPAN 210	Intermediate Spanish for Speakers of Spanish	5

Courses in bold are lab courses.

* Courses listed in multiple areas shall not be certified in more than area except for courses in languages other than English, which can be certified in both areas 3B and 6A.

University of California Campuses



S - SEMESTER SYSTEM Q - QUARTER SYSTEM

California State University

The California State University is the nation's largest university system, with 23 campuses, seven off-site campus centers, over 400,000 students, and 42,000 faculty and staff. With campuses from Humboldt in the north to San Diego in the south, the CSU is renowned for the quality of its teaching and for its job-ready graduates.

The 23 CSU campuses are:

- Bakersfield
- Channel Islands
- Chico
- Dominguez Hills
- Fresno
- Fullerton
- East Bay
- Humboldt
- Los Angeles
- Long Beach
- Maritime Academy
- Monterey Bay
- Northridge
- Pomona
- Sacramento
- San Bernardino
- San Diego
- San Francisco
- San Jose
- San Luis Obispo
- San Marcos
- Sonoma
- Stanislaus

While part of the CSU system, each campus has a unique identity. CSU campuses have distinct student populations and programs, but all share the same mission to provide high-quality, affordable higher education that meets the ever-changing needs of the people of California.

CSU offers nearly 1,800 bachelor's and master's degree programs in 240 subject areas. Many of these programs are offered in the late afternoon and evenings for students who work during the day.

The California State University seeks to assist California community college students in preparing for transfer and in completing their baccalaureate degree. Each year, nearly 60,000 transfer students enter the CSU system. The key to a successful transfer is early planning to ensure that students complete courses to meet the admission, general education, and lower division major preparation requirements.

Over two-thirds of students who receive a baccalaureate degree from the CSU begin their educational program at a California community college (CCC). The CSU guarantees admission to its system to all CCC students who meet CSU upper division transfer admission requirements. Students who enter a California community college as freshmen and then transfer to the CSU are as successful academically as those students who enter CSU directly from high school as freshmen.

Undergraduate Transfers

The California State University generally considers an undergraduate transfer student as one who has enrolled in a community college or university other than a CSU following high school graduation. Students with fewer than 60 transferable semester units are considered lower division transfers. Students with 60 transferable semester units are considered upper division transfers.

Admission Priority

Among the highest priorities for admission to CSU are California community college transfer students who have completed the first two years of the baccalaureate program, including transfer students applying for impacted programs. Students will be considered as having achieved junior

class level standing once they have completed at least 60 semester baccalaureate level units.

Unit Requirements

An applicant who completes fewer than 60 semester units of college credit is considered a lower division transfer student. The student is admitted to a campus as an undergraduate transfer if the campus to which the student applies admits lower division transfer students.

Due to enrollment pressures, **some CSU campuses do not admit lower division transfers** so that more upper division transfers can be accommodated. Having fewer than 60 units at the point of transfer may affect eligibility for registration priority at CSU campuses and may affect the student's financial aid status.

A maximum of 70 semester units earned at community colleges may be transferred to CSU.

Community college coursework completed above the 70 units may be used to meet GE and major preparation requirements even if the units will not count toward the baccalaureate degree.

Lower Division Admission Requirements

Transfer applicants with fewer than 60 semester units must have a grade point average of 2.0 C or better in all transferable units attempted, be in good standing at the last college or university attended, and meet any one of the following eligibility standards.

Transfer Based on Current Admission Criteria

The applicant meets the freshman admission requirements in effect for the term for which application is being made;

-OR-

Transfer Based on High School Eligibility

The applicant was eligible as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation;

-OR-

Transfer Based on Making up Missing Subjects

The applicant had a qualifiable eligibility index at the time of high school graduation (combination of GPA and test scores if needed), has made up any missing college preparatory subject requirements with a grade of C or better, and has been in continuous attendance in an accredited college since high school graduation. One baccalaureate level course of at least three semester units is usually considered equivalent to one year of high school study.

Note: Due to enrollment pressures, some CSU campuses do not admit lower division transfers. Some campuses may require lower division transfer students to complete specific college coursework, e.g. the four basic skills courses, as part of their admission criteria.

Upper Division Admission Requirements

Applicants with 60 or more transferable semester units must have an overall grade point average of 2.0 C or better (2.4 for California non-residents) in all transferable units attempted, and be in good standing at the last college or university attended. Such students are eligible for admission to the CSU if they have:

- Completed 60 transferable semester units;
- Completed at least 30 semester units of general education courses, graded C or better in each course, including:
 - All general education require-

ments in communication in the English language,

- 9 semester units consisting of one course in written communication; one course in oral communication; one course in critical thinking (CSU GE category A); and one course in mathematics/quantitative reasoning (CSU GE category B4).
- Go to www.ASSIST.org for listings of courses at Citrus College that meet the CSU general education requirements.
- Acquired a grade point average of 2.0 or better (2.4 for California non-residents) in all transferable college units attempted; and
- Maintained good standing at the last college or university attended (i.e. eligible to re-enroll at the college or university).

Note: Campuses and/or programs and class levels that are designated as being impacted have additional admission criteria. See www.calstate.edu (search for impactation) for additional information on impacted programs.



Citrus College alumna Donna Estevez transferred to Cal State Fullerton and is a human services major.

The California State University General Education - Breadth Requirements

Citrus College may certify that a student has satisfied the minimum general education requirements of 39 lower division transfer units in accordance with CSU Executive Order 595. It is also possible to transfer to a California State University campus upon completion of the Intersegmental General Education Transfer Curriculum (IGETC). The number of units which may be certified are as follows:

AREA A - COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING

9 semester units required with at least one course each from A1, A2 and A3

A1 - Oral Communication

SPCH 100	Interpersonal Communication	3
SPCH 101	Public Address	3
SPCH 101H	Public Address - Honors	3
SPCH 106	Small Group Communication	3

A2 - Written Communication

ENGL 101	Reading and Composition	3
ENGL 101H	Reading and Composition - Honors	3
ESL 101	Reading and Composition	3

A3 - Critical Thinking

ENGL 103	Composition and Critical Thinking	3
ENGL 103H	Composition and Critical Thinking - Honors	3
ENGL 104	Advanced Rhetoric: The Classical Essay	3
PHIL 110	Philosophy/Logic	3
SPCH 103	Argumentation and Debate	3

AREA B - PHYSICAL UNIVERSE AND ITS LIFE FORMS

9 semester units required with at least one course each from physical science, life science (at least one to contain a laboratory component) and mathematics/quantitative reasoning

B1 - Physical Science (courses listed in bold face type also meet the B3 Laboratory Activity requirement)

ASTR 115	Planetary Astronomy	3
ASTR 115H	Planetary Astronomy - Honors	3
ASTR 116	Stellar Astronomy	4
ASTR 117	Life in the Universe	3
CHEM 103	College Chemistry	5
CHEM 104	College Chemistry	5
CHEM 106	Physical Science for Educators	4
	(cross listed with PHYS 106)	
CHEM 110	Beginning General Chemistry	5

CHEM 111	General Chemistry	5
CHEM 112	General Chemistry	5
CHEM 210	Organic Chemistry	3
CHEM 220	Organic Chemistry	3
ESCI 106	Earth and Space Science for Educators	4
ESCI 118	Physical Geography	3
ESCI 120	Physical Geology	4
ESCI 121	Historical Geology	4
ESCI 122	Geology: Earth History	3
ESCI 124	Environmental Geology	3
ESCI 125	California Geology	4
ESCI 130	Physical Oceanography	3
PHYS 105	Physical Science	3
PHYS 106	Physical Science for Educators	4
	(cross listed with CHEM 106)	
PHYS 110	Introduction to College Physics	4
PHYS 111	Physics for Life Sciences I	4
PHYS 112	General Physics	4
PHYS 201	Physics	5
PHYS 202	Physics	5

B2 - Life Science (courses listed in bold face type also meet the B3 Laboratory Activity requirement)

ANTH 212	Introduction to Physical Anthropology	3
BIOL 102	Human Genetics	3
BIOL 104	Biology: Contemporary Topics	3
BIOL 105	General Biology	4
BIOL 109	Biology for Educators	4
BIOL 124	Principles of Biology I	5
BIOL 125	Principles of Biology II	5
BIOL 145	Environmental Science	3
BIOL 200	Human Anatomy	4
BIOL 201	Human Physiology	4
BIOL 220	Microbiology	5

B3 - Laboratory Activity

ANTH 212L	Introduction to Physical Anthropology Lab	1
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B4 - Mathematics/Quantitative Thinking

MATH 151	Plane Trigonometry	4
MATH 160	Survey of Mathematics	4
MATH 162	Introductory Mathematical Analysis	4
MATH 165	Introductory Statistics	4
MATH 165H	Introductory Statistics - Honors	4
MATH 168	Mathematics for Elementary Teachers I	3
MATH 169	Mathematics for Elementary Teachers II	3
MATH 170	College Algebra	3

MATH 175	Pre-Calculus	4
MATH 190	Calculus with Analytic Geometry I	4
MATH 191	Calculus with Analytic Geometry II	4
MATH 210	Calculus with Analytic Geometry III	4
MATH 211	Differential Equations	4
MATH 212	Introduction to Linear Algebra	4

AREA C - ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE

9 semester units required with at least one course each in arts and humanities

C1 - Arts (Arts, Dance, Music, Theater)

ART 100	Art History and Appreciation - Fundamentals	3
ART 101	Art History and Appreciation - Ancient	3
ART 102	Art History and Appreciation - Medieval	3
ART 103	Art History and Appreciation - Renaissance to Rococo	3
ART 104	Art History and Appreciation - 19th Century Art	3
ART 105	Art History and Appreciation - Early 20th Century Art	3
ART 106	Art History and Appreciation - Pre-Columbian	3
ART 110	Introduction to Visual Arts	3
ART 111	Beginning Drawing	3
ART 112	Intermediate Drawing	3
ART 130	Beginning Painting	3
ART 140	Beginning Ceramics	3
ART 199	Motion Picture Appreciation	3
ART 200	History of Motion Pictures	3
ART 201	History of Motion Pictures	3
ART 206	History of Latin American Art	3
ART 207	History of Asian Art - China, Korea, and Japan	3
COMM 136	Cultural History of American Films	3
DANC 102	History of Dance	3
MUS 110	History of Music I	3
MUS 111	History of Music II	3
MUS 113	History of Rock and Roll	3
MUS 114	Music Appreciation	3
MUS 218	History of Jazz	3
MUS 225	Introduction to American Music	3
THEA 101	Introduction to Theatre Arts	3
THEA 200	The Art of The Theater	3
THEA 201	Acting Fundamentals I	3
THEA 202	Acting Fundamentals II	3

C2 - Humanities (Literature, Philosophy, Foreign Language)

CHIN 102	Chinese II	5
COMM 200	Visual Communications	3
ENGL 102	Introduction to Literature	3
ENGL 120	Introduction to Women's Literature	3
ENGL 213	Horror Literature	3
ENGL 213H	Horror Literature - Honors	3
ENGL 251	Introduction to English Literature I	3
ENGL 252	Introduction to English Literature II	3
ENGL 261	Introduction to U. S. American Literature I	3
ENGL 262	Introduction to U.S. American Literature II	3
ENGL 271	Introduction to World Literature: Ancient-Early Modern	3
ENGL 272	Introduction to World Literature: 1600's through Twentieth Century	3
ENGL 291	Film as Literature	3
ENGL 291H	Film as Literature - Honors	3
ENGL 293	Children's Literature	3
ENGL 293H	Children's Literature - Honors	3
ENGL 294	Introduction to Shakespeare	3
ENGL 296	Introduction to Folklore	3
ENGL 298	Literature of the Bible	3
FREN 101	French I	5
FREN 102	French II	5
FREN 201	French III	5
FREN 202	French IV	5
GER 101	German I	5
GER 102	German II	5
GER 201	German III	5
GER 202	German IV	5
HIST 103	History of World Civilization up to 1500	3
HIST 103H	History of World Civilization up to 1500 - Honors	3
HIST 104	History of World Civilization since 1500	3
HIST 105	History of World Civilization - The 20th Century	3
HIST 107	History of the United States before 1877	3
HIST 107H	History of the United States before 1877 - Honors	3
HIST 108	Political and Social History of the United States	3
HIST 108H	Political and Social History of the United States - Honors	3
HIST 127	Spanish Civilization (cross listed with SPAN 127)	3

HIST 132	History of Modern Latin America	3
HIST 140	History of the American West	3
HUM 101	Humanities	3
HUM 101H	Humanities - Honors	3
HUM 102	Humanities	3
HUM 110	Humanities in the 20th Century	3
HUM 111	Humanities through the Arts	3
JPN 101	Japanese I	5
JPN 102	Japanese II	5
PHIL 101	Great Religions of the World	3
PHIL 106	Introduction to Philosophy	3
PHIL 106H	Introduction to Philosophy - Honors	3
PHIL 108	Philosophy/Ethics	3
SPAN 101	Spanish I	5
SPAN 102	Spanish II	5
SPAN 127	Spanish Civilization (cross listed with HIST 127)	3
SPAN 201	Spanish III	5
SPAN 202	Spanish IV	5
SPAN 210	Intermediate Spanish for Speakers of Spanish	5
SPAN 211	Reading and Composition for Speakers of Spanish II	5

AREA D - SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR, HISTORICAL BACKGROUND

9 semester units required with courses in at least 2 disciplines

D0 - Sociology and Criminology

ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
SOC 118	Minorities in America	3
SOC 122	Introduction to Latino Studies	3
SOC 201	Introduction to Sociology	3
SOC 201H	Introduction to Sociology - Honors	3
SOC 202	Contemporary Social Problems	3
SOC 216	Sex and Gender in a Cross Cultural Perspective (cross listed with ANTH 216)	3

D1 - Anthropology and Archeology

ANTH 210	Introduction to Cultural Anthropology	3
ANTH 210H	Introduction to Cultural Anthropology - Honors	3
ANTH 212	Introduction to Physical Anthropology	3
ANTH 214	Native North America	3
ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3

or		
SOC 216	Sex and Gender in a Cross Cultural Perspective	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
ANTH 220	Introduction to Archaeology	3

D2 - Economics

ECON 100	Survey of Economics	3
ECON 101	Principles of Economics	3
ECON 101H	Principles of Economics - Honors	3
ECON 102	Principles of Economics	3

D3 - Ethnic Studies

HIST 111	History of the African-Americans	3
HIST 112	History of the African-Americans	3
SOC 118	Minorities in America	3

D4 - Gender Studies

ANTH 216	Sex and Gender in a Cross Cultural Perspective (cross listed with SOC 216)	3
ANTH 216H	Sex and Gender in a Cross Cultural Perspective - Honors	3
PSY 226	Psychology of Women	3
SOC 216	Sex and Gender in a Cross Cultural Perspective (cross listed with ANTH 216)	3

D5 - Geography

ANTH 210	Introduction to Cultural Anthropology	3
GEOG 102	Cultural Geography	3

D6 - History

HIST 103	History of World Civilization up to 1500	3
HIST 103H	History of World Civilization up to 1500 - Honors	3
HIST 104	History of World Civilization since 1500	3
HIST 105	History of World Civilization - The 20th Century	3
HIST 107	History of the United States before 1877	3
HIST 107H	History of the United States before 1877 - Honors	3
HIST 108	Political and Social History of the United States	3
HIST 108H	Political and Social History of the United States - Honors	3
HIST 109	The World in Conflict - The 20th Century, a History	3
HIST 110	A Survey History of Africa	3
HIST 111	History of the African-Americans	3

HIST 112	History of the African-Americans	3
HIST 127	Spanish Civilization (cross listed with SPAN 127)	3
HIST 131	History of Latin American to 1825	3
HIST 132	History of Modern Latin America	3
HIST 139	History of California	3
HIST 140	History of the American West	3
HIST 145	History of Mexico	3
HIST 155	History of the Vietnam War	3
HIST 222	History of World War II	3

D7 - Interdisciplinary Social or Behavioral Science

COMM 100	Mass Media and Society	3
HIST 120	British Life and Culture	3
HIST 127	Spanish Civilization (cross listed with SPAN 127)	3
LING 101	Introduction to Language and Linguistics	3
SPAN 127	Spanish Civilization (cross listed with HIST 127)	3
SOC 114	Marriage, Family and Intimate Relations	3

D8 - Political Science, Government and Legal Institutions

POLI 103	American Government and Politics	3
POLI 103H	American Government and Politics - Honors	3
POLI 104	Introduction to Political Science	3
POLI 105	Comparative Politics	3
POLI 110	Current American Political Affairs	3
POLI 116	International Relations	3

D9 - Psychology

CHLD 110	Early Childhood Development	3
PSY 101	Introduction to Psychology	3
PSY 110	Psychology of Religion I	3
PSY 111	Psychology of Religion II	3
PSY 203	Research Methods in the Behavioral Sciences	3
PSY 205	Developmental Psychology	3
PSY 206	Child Growth and Development	3
PSY 206H	Child Growth and Development - Honors	3
PSY 212	Abnormal Psychology	3
PSY 220	Introduction to Social Psychology	3
PSY 225	Psychology of Human Sexuality	3
PSY 226	Psychology of Women	3



Jay Mubiala is a Citrus College graduate — and a former employee. He currently attends U.C. Santa Barbara, majoring in psychology.

AREA E - LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT

3 semester units

E - Lifelong Understanding and Self-Development

BIOL 116	HIV and AIDS: Insights and Implications	3
COUN 145	Career/Life Planning	3
PE 170	Fitness for Life	3
PE 171	Health Science	3
PE 171H	Health Science - Honors	3
PE 173	Nutrition for Fitness	3
PSY 133	Personal and Social Growth	3
PSY 152	Psychology of Human Relations	3
PSY 206	Child Growth and Development	3
PSY 206H	Child Growth and Development - Honors	3
PSY 213	Survey of Drug and Alcohol Use and Abuse	3
PSY 225	Psychology of Human Sexuality	3
SOC 114	Marriage, Family, and Intimate Relations	3

California State University Campuses



S - SEMESTER SYSTEM Q - QUARTER SYSTEM

An Important Note about Planning For Transfer

In general, courses listed as preparation for a major may also be applicable as general education requirements. Students should refer to the catalog of the institution offering their intended major to determine lower-division major requirements, as well as those that are recommended or required in preparation for the major. Refer to the Citrus College Transfer Planning Guide, available in the Transfer Center or online.

In addition, the ASSIST website at www.assist.org, is the official California statewide database listing a selection of campus-approved articulation/transfer agreements, general education requirements, and information on UC and CSU transferable courses. Students are also advised to contact a Citrus College counselor for more information and for details regarding other transfer agreements and options not available on ASSIST.

Teacher Education

Students who plan to enter the teaching profession at the elementary or high school level can take their first two years of instruction at Citrus College and then transfer to a four-year university.

Teachers must demonstrate comprehensive knowledge of the subjects they teach, and subject matter preparation can begin at Citrus. For elementary school teaching, many general education courses will also apply to subject matter preparation.

In order to avoid duplication of coursework and make the most efficient use of their time, students should see a counselor in the Center for Teacher Excellence, located in the ED Building.

Preparation for Professional Schools

Some professions, such as law, stress that candidates for admission to professional schools can best prepare themselves during college by acquiring several fundamental skills. Others, for example, medicine and dentistry emphasize certain subject matters. A student preparing for either emphasis (skills or specific subjects) has opportunities to do so by selecting, in consultation with an academic counselor, the kind of curriculum that most soundly meets the standards set by the profession he or she wishes to enter.

Pre-Professional Programs: Medicine, Veterinary Medicine, Dentistry, Pharmacy

The majority of students entering medical and dental schools in the United States do so after having acquired a B.A. or B.S. degree at an undergraduate college or university. Possession of an undergraduate degree is especially worthwhile, since professional schools do not offer liberal arts subjects.

Any undergraduate major is appropriate for a pre-professional student as long as certain basic subject areas are included in the program. For specific requirements of professional schools, the student is urged to consult special sources such as "Medical School Admission Requirements," a publication of the Association of American Medical Colleges, or a counselor.

In general, medical and dental schools recommend that the undergraduate degree program include: one year of general chemistry; one year of organic chemistry; one year of general biology with additional coursework in developmental biology and/or

comparative anatomy and genetics; and one year of physics. Other courses, such as mathematics through calculus and physical chemistry, are often recommended.

Since pre-professional programs in dentistry place heavy emphasis on biology and chemistry, these are the two majors most often elected by pre-professional students. A pre-professional student majoring in biology should complete the biology lower division preparation, supported by courses in chemistry and physics. A pre-professional student majoring in chemistry should complete the chemistry lower division preparation, supported by courses in mathematics and physics.

The science and mathematics components of pre-professional programs in veterinary medicine are quite similar to those for medicine. Admission to a school of pharmacy can also be gained after two years of undergraduate work. Although entrance requirements vary somewhat, they generally include full-year introductory courses in biology, chemistry, mathematics and physics. A course in organic chemistry is sometimes required.

Pre-Engineering Program

Most students earn engineering degrees by attending a university with an accredited program in engineering. Although there are many different engineering disciplines, the first two years of coursework is quite similar for most of these fields. The lower division major preparation completed at Citrus can prepare you for transfer to a pre-engineering program or an accredited engineering program.

The advantages to students who enter a pre-engineering program are many. Most engineering schools are very competitive and not all qualified students can be accepted as freshmen. However, it is much easier for a student to qualify as a transfer student.

A counselor or adviser can help you design a course of study. Visit the Career/Transfer Center for a list of pre-engineering courses and to make an appointment with a counselor.

Pre-Professional Programs: Law

Applicants for admission to most law schools are expected to have a B.A. or B.S. degree and to have taken the Law School Admission Test. There is no single "pre-law" major required since the successful study of law is more often related to the ability to grasp and solve difficult intellectual problems and to employ disciplined work habits, than it is to any narrow, specialized field of study. However, students headed for law school are well advised to take a small number of selected liberal arts courses in subjects relevant to the law.

Several broad objectives of pre-legal education are set forth by the Association of American Law Schools. These include oral and written command of language; an understanding and appreciation of social, political and economic values, institutions, problems and frames of reference; and an ability for creative, innovative, critical and analytical thinking.

For these reasons, every pre-law student should carefully choose, with the aid of a counselor or adviser, courses which sharpen the skills and sensitivities previously listed. Since no one major is mandatory, the student should

select one which emphasizes the areas mentioned above: for example administration, economics, English, history, philosophy, political science and sociology.

For additional information, a student should read the bulletins or catalogs of various law schools or the *Official Prelaw Handbook*, current edition, prepared by the Law School Admission Test Council and the Association of American Law Schools. This handbook may be obtained at most college bookstores or ordered from Educational Testing Services, Princeton, N.J. 08540.



Luis Serena, Alumnus and Cal State San Bernardino Transfer

Azusa resident Luis Serena chose to attend Citrus College after high school because it was close to home. *"Before coming to Citrus, I heard a lot of negativity from others regarding community colleges, but I now know that they are wrong,"* Serena said. *"Citrus College is the best!"*

Serena especially liked the college's faculty and staff. *"They are great at helping students succeed,"* he said. Serena credits the counselors in the Career/Transfer Center with helping him select a university for transfer.

Serena will pursue a bachelor's degree in human services at Cal State San Bernardino and wants to continue his education by earning a master's degree in counseling.

Institutional Memberships and Professional Certifications

Citrus College is proud of its memberships and certifications with the most credible and prestigious organizations in the country. These affiliations include, but are not limited to, the following:

Behavioral Sciences

California Child Development Administrators Association
Child Care Food Program Roundtable
National Association for the Education of Young Children

Counseling

California Association of Postsecondary Educators of the Disabled
South Coast Higher Education Council

Fine and Performing Arts

American Choral Directors Association
National Association of College Band Directors
Society of Professional Audio Recording Services

Health Sciences

Council on Dental Education of the American Dental Association
National League of Nursing

Language Arts

Associated Collegiate Press
Honors Transfer Council of California
International Writing Centers Association
Journalism Association of Community Colleges
Society for News Design

Library Technology

Council of Chief Librarians, California Community Colleges
Metropolitan Cooperative Library System

Public Services

Maintenance Superintendents Association (MSA)

Automotive Technology

Automotive Engine Rebuilders Association (AERA)
Automotive Service Councils of California (ASC)
Bureau of Automotive Repair (BAR)
National Automotive Technicians Education Foundation (NATEF)
National Institute for Automotive Service Excellence (ASE)
Specialty Equipment Market Association (SEMA)
State of California Department of Consumer Affairs
Toyota/Lexus/Scion Technician Training & Education Network (T-TEN)



Campus Landmark

To represent the new campus of the 1960s the *Torch of Knowledge* was designed by the Neptune and Thomas Architectural Firm. This picture was taken during Citrus College's 50th anniversary celebration in 1965.

How are Citrus College's Academic Programs Organized?

Academic Divisions, Departments, and Subjects (with subject codes)

(All telephone numbers are area code 626)

Business, Computer Science and Information Systems

Business

914-8807

Accounting (ACCT)
Business (BUS)
Computer Science and Information Systems (CSIS)
Office Technology & Computer Applications (OFF)
Real Estate (REAL)

Library Technology

914-8640

Library Technology (LIBT)

Career and Technical Programs

Cosmetology

914-8710

Cosmetology (COS)

Public Services

914-8700

Heating and Air Conditioning (HEAT)
Public Works (PUB)
Water Technology (WATR)

Technology & Engineering

852-6402

Automotive Technology
Automobile and Light Truck Technology (AUTO)
Motorcycle Technology (MOTO)
Medium and Heavy Truck Technology (MTRK)
Drafting Technology (DRAF)
Electronics (ELEC)
Engineering and Information Technology (ENGR)
Energy Systems Technology (EST)
Information Technology (IT)
Technology (TECH)

Counseling

914-8530

Counseling (COUN)
Disabled Student Programs & Services (DSPS)
914-8675

Fine and Performing Arts

Fine Arts

914-8580

Art (ART)
Photography (PHTO)

Performing Arts

914-8580

Dance (DANC)
Music (MUS)
Recording Technology (REC)
Theatre Arts (THEA)

Language Arts

Foreign Languages

914-8856

Chinese (CHIN)
French (FREN)
German (GER)
Japanese (JPN)
Spanish (SPAN)

Language Arts

914-8856

College Preparation (COLL)
Communications (COMM)
English (ENGL)
English as a Second Language (ESL)
Reading and College Preparation (READ)
Speech (SPCH)

Mathematics and Health Sciences

914-8792

Mathematics (MATH)

Health Sciences

914-8720

Dental Assisting (DENT)
Emergency Management (EMER)
Health Sciences (HEAL)
Nursing (NRS)
Registered Nursing/Associate Degree in Nursing (RNRS)
Vocational Nursing (VNRS)

Physical Education

914-8650

Physical Education (PE)

Physical and Natural Sciences

914-8789

Biology (BIOL)
Wildland Resources and Forestry (FOR)
Natural History (NAT)

Physical Sciences

914-8789

Astronomy (ASTR)
Chemistry (CHEM)
Earth Sciences (ESCI)
Physics (PHYS)

Social and Behavioral Sciences

Social Sciences

914-8860

Economics (ECON)
Geography (GEOG)
History (HIST)
Humanities (HUM)
Philosophy (PHIL)
Political Science (POLI)
Social Sciences (SOCS)

Behavioral Sciences

914-8860

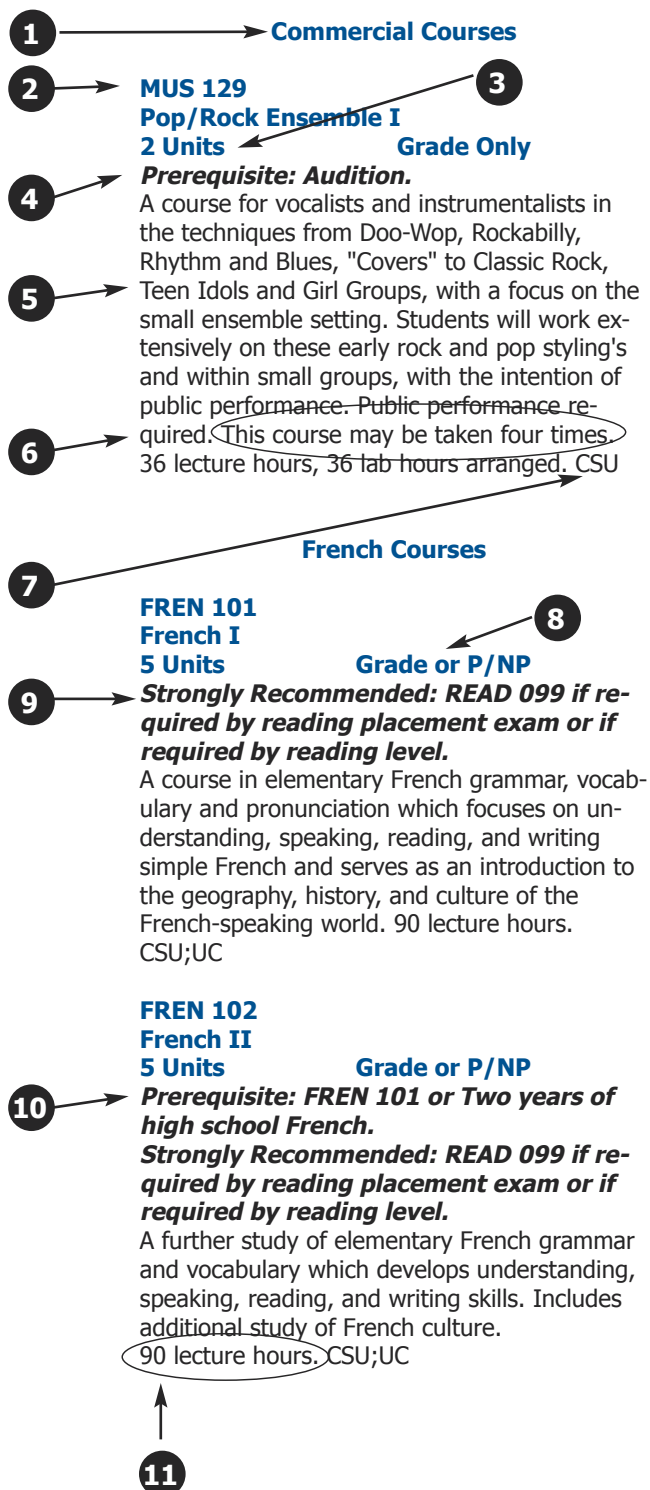
Administration of Justice (AJ)
Anthropology (ANTH)
Child Development (CHLD)
Psychology (PSY)
Sociology (SOC)

Course Code Directory

ACCT	Accounting	ENGR	Engineering	PHTO	Photography
AJ	Administration of Justice	ESCI	Earth Science	PHYS	Physics
ANTH	Anthropology	ESL	English as a Second Language	POLI	Political Science
ART	Art	EST	Energy Systems Technology	PSY	Psychology
ASTR	Astronomy	FOR	Forestry	PUB	Public Works
AUTO	Automotive Technology	FREN	French	READ	Reading
BIOL	Biology	GEOG	Geography, Cultural	REAL	Real Estate
BUS	Business	GER	German	REC	Recording Technology
CHEM	Chemistry	HEAL	Health Sciences	RNRS	Registered Nursing
CHIN	Chinese	HEAT	Heating and Air Conditioning	SOC	Sociology
CHLD	Child Development	HIST	History	SOCS	Social Science
COLL	College Preparation	HUM	Humanities	SPAN	Spanish
COMM	Communications	IT	Information Technology	SPCH	Speech
COS	Cosmetology	JPN	Japanese	TECH	Technology
COUN	Counseling	LIBT	Library Technology	THEA	Theatre Arts
CSIS	Computer Science And Information Systems	MATH	Mathematics	VNRS	Vocational Nursing
DANC	Dance	MOTO	Motorcycle Technology	WATR	Water Technology
DENT	Dental Assisting	MTRK	Medium And Heavy Truck Technology		
DRAF	Drafting Technology	MUS	Music		
DSPS	Disabled Student Programs & Services	NAT	Natural History		
ECON	Economics	NRS	Nursing		
ELEC	Electronics	OFF	Office Technology		
EMER	Emergency Management and Homeland Security	PE	Physical Education		
ENGL	English	PHIL	Philosophy		

A Guide to Understanding the Course Descriptions

1. Course and Department Name
2. Course Number
The course numbering system distinguishes between courses that are degree applicable and those that are not. Units from courses numbered 001-099 are appropriate for financial aid and athletic eligibility, but may not be applied toward the units required for a degree. Units numbered 100-299 may apply toward the associate degree.
3. The units of credit that can be earned during a semester
4. Concurrent enrollment required in a related course
5. Course Description
6. Number of times a course may be taken for credit
7. Transferable course: designating that the course is transferable to the California State University (CSU) or the University of California (UC). To verify the transfer policies of other colleges and universities, consult a counselor.
8. Grade or P/NP: the student can choose to take the course to receive a pass/no pass grade instead of a letter grade.
9. The recommended reading level or skill preparation a student is expected to have in order to succeed in the coursework.
10. Prerequisite: a requirement that must be satisfied before enrolling in the course.
11. The number of lecture hours and lab hours the course offers during the semester or session in which it is offered.



**citrus
college
course descriptions**



Accounting (Business Department)

The Accounting Program encompasses an area of study which includes basic accounting, financial and managerial accounting principles, income tax accounting and accounting general ledger software. The Accounting Program within the Citrus College Business Department conducts the program with an outstanding faculty to prepare students for professional careers, transfer, and/or personal use. The program combines classroom lectures, demonstrations and a wide use of technology to ensure relevant training.

Accounting Courses

ACCT 100
Accounting
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The objective of this course is to provide an elementary accounting background for business students. Course content includes development of the accounts through journalizing, cash journal entries, sales and purchases, posting, trial balance, work sheet and resultant financial statements. 72 lecture hours.

ACCT 101
Financial Accounting
4 Units **Grade Only**
Strongly Recommended: ACCT 100 or high school bookkeeping, or related job experience.

The objectives of this course are to learn the content and meaning of the basic financial statements and their impact on the decision-making process in the business environment. This course will provide a broad overview of the importance of accounting in the business process as well as introduce the student to the double entry system of accounting, how to record, process and report on the business transactions and events and to consider the operating cycles in business. Topical areas covered in this class will include cash, accounts, inventory, property, plant and equipment, intangible assets, current liabilities and stockholder equity. The importance of internal controls will be reviewed and the components of the income statement will also be discussed. 72 lecture hours. CSU;UC

ACCT 101H
Financial Accounting - Honors
4 Units **Grade Only**
Strongly Recommended: ACCT 100 or high school bookkeeping; or related job experience.

Examines the fundamental concepts of fi-

ancial accounting such as: the basic financial statements: the double entry system of accounting; financial analysis and internal controls. Analyze financial data to evaluate performance and formulate appropriate course of action in the business environment. Students are expected to work and participate at an honors level which includes advanced critical thinking skills, more in depth analysis of financial statements and presentation skills as demonstrated by group presentations, class participation and case study analysis. 72 lecture hours. CSU;UC

ACCT 102
Managerial Accounting
4 Units **Grade or P/NP**
Prerequisite: ACCT 101.

The objectives of this course are to finish reviewing financial accounting concepts and to discuss cost and managerial accounting. Financial accounting concepts such as long-term debt and cash flows will be covered before moving into the area of managerial accounting. Managerial accounting objectives are to provide management and employees timely feedback on the performance of the company operations so that management can plan ahead and make appropriate business decisions. Tools and techniques to evaluate efficiency and profitability such as process costing, break-even analysis, variance analysis and capital budgeting will be reviewed. 72 lecture hours. CSU;UC

ACCT 110
Income Tax Accounting
4 Units **Grade or P/NP**

A course designed to study the federal income tax process, federal income tax laws that apply to individuals, and the application of tax principles to specific problems. Topics include gross income and exclusions, business deductions and itemized deductions, losses, certain tax credits and property transactions. Study is also made of California income tax laws in those areas which differ from federal tax law. 72 lecture hours. CSU

ACCT 115
QuickBooks
2 Units **Grade or P/NP**

Instruction in QuickBooks, a computerized accounting system for business. Applies basic accounting concepts. 36 lecture hours.

Administration of Justice (Behavioral Sciences Department)

Administration of Justice offers men and women a career of personal challenge and rewarding public service. A great need exists for intelligent, well-educated personnel with a firm commitment toward

professional improvement in the justice system. Citrus College offers courses to prepare students for employment and promotion in the criminal justice system.

Administration of Justice Courses

AJ 101
Introduction to the Administration of Justice
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems; role expectations, and their inter-relationships; theories of crime, punishment, and rehabilitation; ethics, education and training for professionalism in the system. 54 lecture hours. CSU;UC

AJ 102
Concepts of Criminal Law
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The philosophy and historical development of law, including the provisions of the U.S. Constitution. The concepts and definitions necessary to relate court decisions to statutes including those specific to correctional institutions. 54 lecture hours. CSU;UC

AJ 103
Legal Aspects of Evidence
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Origin, development, philosophy and constitutional basis of evidence, constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. 54 lecture hours. CSU

AJ 105
Criminal Investigation
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Fundamentals of investigation and the techniques of crime scene recording and search. The collection and preservation of physical evidence, modus operandi processes, sources of information, interview and interrogation, follow-up, and case preparation. 54 lecture hours. CSU

AJ 106**Patrol Procedures****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is a study of the responsibility, techniques, and methods of police patrol. This includes the areas of patrol distribution, selective enforcement, pull-over and approach methods, emergency pursuit driving, search of suspects and buildings, field interrogations, and procedures in handling "police-called-for" services. 54 lecture hours. CSU

AJ 107**Traffic Control****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A study covering traffic law enforcement regulation and control, fundamentals of traffic accident investigation, and the California Vehicle Code. 54 lecture hours. CSU

AJ 108**Juvenile Procedures****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The techniques of handling juvenile offenders and victims; the prevention and repression of delinquency; juvenile law and procedure; the organization of community resources; and diagnosis and referral. 54 lecture hours. CSU

AJ 109**Criminal Procedures****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Legal processes from pre-arrest, arrest through trial, sentencing and correctional procedures; a review of the history of case and common law; conceptual interpretations of law as reflected in court decisions; a study of case law methodology and case research as the decisions impact upon the procedures of the justice system. 54 lecture hours. CSU

AJ 111**Narcotics and Vice Control****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

History, identification, and effects of narcotics. Current narcotic and vice problems. Special emphasis on laws affecting the control of narcotics and vice. 54 lecture hours. CSU

AJ 112**Community Relations****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An in depth exploration of the roles of the administration of justice practitioners and their agencies. Through interaction and study the student will become aware of the interrelationships and role expectations among the various agencies and the public. Principal emphasis will be placed upon the professional image of the system of justice administration and the development of positive relationships between members of the system and the public. 54 lecture hours. CSU;UC

AJ 118**Police Supervision****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Covers duties and responsibilities of first line police supervisors, including: leadership qualities, civil service disciplinary procedures, employee morale, performance evaluation, employee selection and transfer procedures, grievance procedures, and psychological aspects of supervision. Emphasis on special problems of supervising sworn police personnel. 54 lecture hours. CSU

AJ 123**Writing for Criminal Justice Professionals****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Techniques for communicating facts, information, and ideas effectively in a simple, clear, and logical manner in various types of criminal justice reports: letters, memoranda, directives, and administrative reports. Emphasis is on criminal justice terminology, use of English, and organization of information. Students will practice note taking and report writing as well as presentation of testimony in court. 54 lecture hours. CSU

AJ 130**Introduction to Probation and Parole****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A survey of the role of probation and parole in today's criminal justice system. Career opportunities available in probation and parole work will be included. 54 lecture hours. CSU

AJ 131**Introduction to Corrections****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A survey of the field of correctional science. Historical development, current concepts and practice, explanations of criminal behavior; functions, and objectives of the criminal justice system concerned with institutional, probation, and parole processes as they modify the offender's behavior and survey of professional career opportunities in public and private agencies. 54 lecture hours. CSU

AJ 133**Correctional Writing****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The practical aspects of gathering, organizing, and preparing written reports for correctional activities on local, state, and federal levels. Emphasis on techniques of communicating facts and ideas effectively in the criminal justice system context. Practical experience in note taking, report writing, and testifying in court. 54 lecture hours. CSU

AJ 135**Control and Supervision in Corrections****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Supervision of inmates in the local, state, and federal correctional institutions. Emphasis on the role of the offender and the correctional worker on a continuum from institutional living through crisis situations. Included are inmate subculture, violence and effects of crowding along with coping techniques for correctional officers. Causes and effects of abusive tactics. 54 lecture hours. CSU

AJ 136**Correctional Interviewing and Counseling****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The techniques in counseling and interviewing available to practitioners in Corrections. The student will learn the use of appropriate techniques and theories in confidence building which may be used by the correctional employee in client interviews and counseling. 54 lecture hours. CSU

AJ 137

Legal Aspects of Corrections

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The historical legal framework, concepts, and precedents that guide correctional practice. Course material will broaden the individual's perspective of the corrections environment, the civil rights of prisoners, and responsibilities and liabilities of corrections officials. 54 lecture hours. CSU

Anthropology

(Behavioral Sciences Department)

The Anthropology program has several course offerings that fulfill the major requirements for the Associate in Arts degree behavioral Sciences major, the 18-unit requirement of the Associate in Science degree, the category D requirement for Cal State transfers, and behavioral science requirements for UC transfers. In addition the Anthropology program promotes multiculturalism in the classroom, as well as; illustrating the benefits in supporting a pluralistic lifestyle.

Anthropology Courses

ANTH 210

Introduction to Cultural

Anthropology

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will critically examine various societies around the world using basic cultural concepts such as marriage, family, art, food production, political organization, and religion. The class is designed to foster a pluralistic view of the world, teach introductory anthropological concepts, and strengthen critical thinking skills. College level reading is strongly advised for success in the course. 54 lecture hours. CSU;UC

ANTH 210H

Introduction to Cultural

Anthropology - Honors

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will critically examine various societies around the world using basic cultural concepts such as marriage, family, art, food production, political organization, and religion. The class is designed to foster a pluralistic view of the world, teach introductory anthropological concepts, and strengthen critical thinking. College level reading is strongly advised for success in

the course. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of anthropological readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

ANTH 212

Introduction to Physical Anthropology

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory study of the biological origin of humans. The course will emphasize the biology of humans, human evolution, taxonomy, pre-human fossil identification, and adaptation to the environment. College level reading is highly recommended for success in the course.

54 lecture hours. CSU;UC

ANTH 212L

Introduction to Physical Anthropology Lab

1 Unit

Grade Only

Co-Requisite: ANTH 212

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is the lab component for Introduction to Physical Anthropology 212.

In the lab students will have an expanded opportunity to work with anatomy, skeletal identification, taxonomy, and evolutionary trends. Concurrent enrollment with Anth 212 is required. College level reading is highly recommended for success in the course. 54 lab hours. CSU;UC

ANTH 214

Native North America

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A survey of North American Indigenous people both past and present through culture areas, ethnicity, and language. A frank look at the stereotyped image of Native Americans. 54 lecture hours. CSU;UC

ANTH 216

Sex and Gender in a Cross Cultural Perspective

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. SOC 201 or ANTH 210

A cross-cultural look at different groups ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms

and concepts will be utilized for a cross disciplinary approach. This is primarily a seminar style course, college level reading and participation is necessary for successful completion. This course is the same as SOC 216. 54 lecture hours. CSU;UC

ANTH 216H

Sex and Gender in a Cross Cultural Perspective - Honors

3 Units

Grade Only

Strongly Recommended: ANTH 210 or SOC 201. Also, READ 099 if required by reading placement exam or if required by reading level. Member of the honors program in good standing, or recommendation from an honors instructor.

A cross-cultural look at different groups' ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms and concepts will be utilized for a cross disciplinary approach. College level reading is strongly advised for success in the course. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of readings, presentation, and leadership skills demonstrated through class participation/presentation. 54 lecture hours. CSU;UC

ANTH 218H

Honors Presentation Seminar

1 Unit

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Member in good standing of the Citrus College Honors Program or recommendation from an Honors Instructor.

A course designed to help honors students further their research skills, professional presentation skills, and to promote transfer. Research topics from previous honors classes will be enhanced with further research and presented in a professional manner in class. Materials will also be submitted to local honors conferences for presentation to peers. Honors students should be in good standing and must be recommended by an honors professor. This course is the same as SOC 218H. 18 lecture hours. CSU

ANTH 220

Introduction to Archaeology

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory study of the science of archaeology. The course will emphasize the evolution of human material culture, the laws and theories governing the science of

archaeology, archaeological processes, and the realities of archaeology versus popular culture definitions. College level reading is strongly recommended for success in the course. 54 lecture hours. CSU;UC

Art (Fine Arts Department)

The Art curriculum offers instruction in art theory, practice and history. These three areas of study constitute the foundation courses needed to begin a career in commercial art (for example, illustration, graphics, etc.) or fine arts (for example, painting, ceramics, etc.). The foundation courses meet prerequisite requirements to UC, CSU systems and four-year art schools.

Art Courses

ART 100
Art History and Appreciation - Fundamentals
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A study of the basic art principles and elements and how they are applied to art forms from prehistoric times to the present. 54 lecture hours. CSU;UC

ART 101
Art History and Appreciation - Ancient
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course covers the history of western art from its prehistoric beginnings to the fall of Rome. Some of the course content is concerned with the appreciation of art as well as its history. 54 lecture hours. CSU;UC

ART 102
Art History and Appreciation - Medieval
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course covers the history of western art from the fall of Rome to the beginning of the Renaissance. Some of the course content is concerned with the fundamentals of art appreciation as well as its history. 54 lecture hours. CSU;UC

ART 103
Art History and Appreciation - Renaissance to Rococo
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course covers the history of western art from the early Renaissance through the Rococo period. This course is concerned with both the history of art and the fundamentals of the appreciation of art. 54 lecture hours. CSU;UC

ART 104
Art History and Appreciation-19th Century Art
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course covers the history and fundamental appreciation of western art from the French Revolution to c. 1900 A.D. 54 lecture hours. CSU;UC

ART 105
Art History and Appreciation - Early 20th Century Art
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course covers the history of western art from the late 19th century to mid 20th century. The course is concerned with the fundamentals of art appreciation as well as the history of our times. 54 lecture hours. CSU;UC

ART 106
Art History and Appreciation - Pre-Columbian
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
The study of pre-Columbian cultures and art, e.g. Aztec, Mayan, Zapotec, etc. Some of the course content is concerned with fundamentals of art as well as its history. 54 lecture hours. CSU;UC

ART 110
Introduction to the Visual Arts
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A course designed to further the general education of all students. Students will be introduced to the visual arts through aesthetics, critique, history, and by creating art using various mediums. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU;UC

ART 111
Beginning Drawing
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A basic course in drawing and composition to develop a student's ability to perceive and define shape, mass, contour, volume, space and light, using a variety of media and subject matter. This course is required of all art majors. 36 lecture hours, 72 lab hours. CSU;UC

ART 112
Intermediate Drawing
3 Units **Grade Only**
Prerequisite: ART 111
Emphasis is on conceptual art through advanced, imaginative and subjective approaches to drawing. Includes experimental use of media, theoretical and conceptual approaches to content, and examination of aesthetics within contemporary drawing concerns. Required of all art majors. 36 lecture hours, 72 lab hours. CSU;UC

ART 115
Figure Drawing I
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
An introduction to the structural understanding of the human form, based on study of the figure in history, theory, and aesthetics and its practical application to drawing from the live model. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU;UC

ART 116
Figure Drawing II
3 Units **Grade Only**
Prerequisite: ART 115
A continuation of the structural study of the figure with emphasis on the exploration of expressive concepts, media, and techniques. Included will be reading for historical, theoretical, and aesthetic application to class material. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU;UC

ART 120
Two-Dimensional Design
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
An investigation of the elements of art: especially color and composition. Emphasis is placed on individual solutions to visual problems by observing the principles of design. Required of all art majors. 36 lecture hours, 72 lab hours. CSU;UC

ART 121
Three-Dimensional Design
3 Units **Grade Only**

Prerequisite: ART 120

Experiments involving the design elements and principles in the creation of three-dimensional form and space relationships. Critical evaluation of designs for aesthetic, technical, and theoretical concerns. Required of all art majors. 36 lecture hours, 72 lab hours. CSU;UC

ART 122
Color Theory and Composition
3 Units **Grade Only**

Prerequisite: ART 120

The course advances beyond color theory and composition received in ART 120. Emphasis is on the use of color to communicate concepts through the study of established color theory. Excellent for illustrations, graphics, and fine art majors. 36 lecture hours, 72 lab hours. CSU;UC

ART 130
Beginning Painting
3 Units **Grade Only**

An objective approach to form, space, and color concepts using oil or acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical/cultural influences. 36 lecture hours, 72 lab hours. CSU;UC

ART 131
Intermediate Painting
3 Units **Grade Only**

Prerequisite: ART 130

Development of expressive painting concepts and techniques in oil and acrylic, with emphasis on historical, theoretical, and cultural meanings. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU;UC

ART 140
Beginning Ceramics
3 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course explores basic techniques of pottery making. It includes handbuilding and throwing on the potter's wheel. Emphasis is on understanding the qualities of clay, appreciation of basic pottery forms, simple glazing technique and the development of personal expression. 36 lecture hours, 72 lab hours. CSU;UC
Lab Fees: \$30.

ART 141
Intermediate Ceramics
3 Units **Grade Only**

Prerequisite: ART 140

This course further develops basic pottery skills by introducing new forms on the potter's wheel and additional decorating and glazing techniques. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 142
Experimental Ceramics
3 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course for beginning to advanced students to explore the creative possibilities of clay in a workshop setting. Individual projects using handbuilding or the potter's wheel will be used to create sculpture or pottery. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 143
Ceramic Hand building
3 Units **Grade Only**

This course is an introduction to ceramic handbuilding techniques and processes. Traditional methods of forming, joinery and construction are introduced. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 145
Ceramic Design and Decoration
3 Units **Grade Only**

Prerequisite: ART 141

This course involves hand built and wheel thrown projects that investigate problems in pottery form and surface enhancement. Other related topics include the effect of various firing methods and exhibit preparation. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 146
Ceramics: Tile and Mosaic
3 Units **Grade Only**

This course will explore techniques in creating and glazing handmade tile, from Cuenca to Cuerda Seca. The tile industry, cutting, grouting and installation will also be explored. Mosaic techniques will be a secondary focus. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$30.

ART 149
Studio Problems in Ceramics
1 Unit **Grade Only**

Prerequisite: ART 141

Independent study involving intermediate or advanced projects in studio ceramics. Materials used include clay, engobe, stain and glaze. Firing techniques, studio practices, display and exhibition design is included. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC. Lab Fee: \$30.

ART 150
Computer Art Basics
3 Units **Grade Only**

This introductory computer art course is designed for people interested learning the basics of computer art. Adobe Illustrator and PhotoShop are utilized to create computer graphics and Microsoft Word is used for word processing. PC computers with the Windows operating system, printers, scanners, and digital cameras are also explored in this course. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 153
Digital Media Production I
3 Units **Grade or P/NP**

Strongly Recommended: ART 150 or Portfolio Review.

An overview of multimedia production and associated technology. The course will use Illustrator, PhotoShop and other software in the development of graphic presentations for use in business and communications. Students will be provided an opportunity to produce computer graphics merging images and text for large format printing. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 158
Commercial Graphic Design
3 Units **Grade or P/NP**

Strongly Recommended: ART 111, ART 120, ART 150.

Students will examine graphic design in advertising, corporate identity, video, billboards and print media. Utilizing Illustrator, PhotoShop and Quark software, students will apply principles of color theory, layout and typography to their design concepts preparing them for print. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 162
Computer Graphics I
3 Units **Grade or P/NP**

Strongly Recommended: ART 150 and/or ART 158.

An introduction and skill development course using the computer as a tool for graphic design and page layout projects where basic design, personal creativity, typography, illustration, and production techniques are implemented. An emphasis is placed on understanding the role of graphic design and the designer in contemporary society and how computer technology plays a major part in this rapidly developing career field. Software includes: current software applications. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 163
Computer Graphics II
3 Units **Grade or P/NP**
Prerequisite: ART 162.

This course advances the experiences in ART 162, through additional projects in graphic design, layout, and presentation. Adobe Illustrator, Photoshop, QuarkXpress, In-Design, and Dreamweaver computer software is used in combination with digital imaging hardware to create visual communication projects relating to business, education, and public services. Work produced is to be of portfolio quality. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 167
Web Design I
3 Units **Grade or P/NP**
Strongly Recommended: ART 150 or Portfolio review.

An overview of World Wide Web with emphasis on design and publishing. This course utilizes various developmental tools in the design of pages to be used on the Internet for commercial or personal use. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$5.

ART 168
Animation I
3 Units **Grade or P/NP**
Strongly Recommended: ART 150 and/or Portfolio review. Also, READ 099 if required by reading placement exam or if required by reading level.

The focus of this course is to introduce the fundamentals of two-dimensional animation with emphasis on the computer as a tool. Student projects involve scripting, storyboarding, action, transition, timing, character development, and portfolio enhancement. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$10.

ART 180
Beginning Clay Sculpture
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Clay sculpture classes will include clay techniques, application of color, sculpting methods, and sculpture concepts. Students will learn the fundamentals of building and coloring ceramic hand built sculpture. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 181
Intermediate Clay Sculpture
3 Units **Grade Only**
Prerequisite: ART 180.

Intermediate clay sculpture classes will include modeling techniques, application of color, clay sculpting methods and sculpture concepts. Students may work with human models, animals, birds and other topics with emphasis on composition and craftsmanship. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 182
Advanced Clay Sculpture I
3 Units **Grade Only**
Prerequisite: ART 181.

Clay sculpture classes will include clay techniques, application of color, sculpting methods, and sculpting methods and sculpture concepts. Students will design and construct medium size hand built sculpture of the human model, human head, animal, bird, or other topic. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 183
Advanced Clay Sculpture II
3 Units **Grade or P/NP**
Prerequisite: ART 182.

Clay sculpture classes will include clay techniques, application of color, sculpting methods, and sculpture concepts. Students will design and construct large hand built sculpture pieces of the human model, human head, animal, bird, or other topic. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$20.

ART 184
Sculpture and Metalwork
3 Units **Grade Only**
Prerequisite: ART 121.

An introduction to sculpture the materials and techniques. Student explores potential of expressive form, structure, and space in various materials and processes. Study of aesthetics, technique and theoretical concerns as applied to sculpture. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU

ART 188
Multimedia Portfolio and Resume Production
3 Units **Grade Only**
Prerequisites: ART 162 and ART 253.

Creative organization and presentation of a body of art/design work exhibiting portfolio-quality aptitude. CGI (Computer Graphic Imaging) and traditional art/design will be included. Portfolio presentation to include any or all of the following, based on area of student's expertise; Print/collateral materials, signage, company ID, slides, Web page design, video

and audio type, and traditional renderings. Additionally, compilation of a professional resume and mock interviews will be completed by each student. 36 lecture hours, 72 lab hours. Lab Fee: \$5.

ART 189
Art Portfolio and Resume Production
3 Units **Grade Only**

Prerequisites: ART 162 and ART 153.
An advanced course to prepare a body of portfolio quality student art/design work for the purpose of a job interview or advanced university placement. The final presentation will be based on the students' area of expertise and may include advanced levels of traditional and computer (CGI) art and graphics. Additionally, the production of a professional appearing resume plus participation in mock interviews will be a part of the class. 36 lecture hours, 72 lab hours.

ART 199
Motion Picture Appreciation
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course in which the student will learn how to analyze films on technical, aesthetic, and thematic levels. Historically significant films will be used as source material. 54 lecture hours. CSU;UC

ART 200
History of Motion Pictures
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course in motion picture history covering the years 1895-1945. The historically significant technical and thematic developments of world cinema are analyzed in detail in the context of production systems. 54 lecture hours. CSU;UC

ART 201
History of Motion Pictures
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A second semester introductory course continuing with the study of motion picture history covering the years 1945-present. The historically significant thematic developments in world cinema are analyzed in a technical and production context. 54 lecture hours. CSU;UC

ART 206
History of Latin American Art
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Survey of the art of Mexico and Central and South America from the Spanish Colonial period forward to the present. 54 lecture hours. CSU;UC

ART 207
History of Asian Art - China, Korea, and Japan
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Survey of the arts of ancient China and their influence on the historical development of Korean and Japanese art forms throughout the 19th century, Asian culture and philosophies, and their relation to the developing art forms. 54 lecture hours. CSU;UC

ART 230
Advanced Painting
3 Units **Grade or P/NP**
Prerequisites: ART 130 and ART 131.

Personalized exploration of expressive painting concepts and techniques in oil and acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical/cultural influences. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU;UC

ART 234
Beginning Watercolor Painting
3 Units **Grade or P/NP**
Prerequisite: ART 111.

Introduction to watercolor technique and its application to the basic elements of pictorial art. Communicating in watercolor with emphasis on composition and structure by designing and ordering the picture plane. 36 lecture hours, 72 lab hours. CSU;UC

ART 235
Intermediate Watercolor Painting
3 Units **Grade Only**
Prerequisite: ART 234.

Intermediate experience in watercolor painting with emphasis on composition for communicating desired concept. Development of intermediate painting concepts and techniques based on historical, cultural, theoretical, and cultured meanings. 36 lecture hours, 72 lab hours. CSU;UC

ART 236
Advanced Watercolor Painting
3 Units **Pass No Pass Only**
Prerequisite: ART 235.

Advanced application of watercolor media to conceptual and meaningful subject

matter. Emphasis on the aesthetic, content, art historical, and contemporary aspects of watercolor painting. This course may be taken four times. Offered for Pass/No Pass grading only. 36 lecture hours, 72 lab hours. CSU;UC

ART 240
Advanced Ceramics I
3 Units **Grade Only**
Prerequisite: ART 141.

An advanced course in pottery with an emphasis on larger forms and development of a distinctive style. Also included is glaze technology and basic kiln operation. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 241
Advanced Ceramics II
3 Units **Grade Only**
Prerequisite: ART 240.

A broader experience in ceramics is the emphasis of this course. Independent visits to craft galleries and special exhibits, research on selected topics and time to explore new ideas in clay. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC. Lab Fee: \$30.

ART 253
Digital Media Production II
3 Units **Grade or P/NP**
Prerequisite: ART 153.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the interactive aspects of computer graphics and the association with multimedia, entertainment and advertising. This course will use currently available software in the development of creative and innovative multimedia presentations appropriate to industry, business and community. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$25.

ART 267
Web Design II
3 Units **Grade or P/NP**
Prerequisite: ART 167.

Advanced application and integration of WEB software and various scripting languages. Students create web environments and applicably utilize various programs, including but not limited to, Dreamweaver, Fireworks, Flash and Adobe PhotoShop. Emphasis will be placed on design, animation, quality, and application to employment-related situations. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$5.

ART 268
Animation II
3 Units **Grade or P/NP**
Prerequisite: ART 168.

This intermediate level animation course focuses on the development of one's personal creativity and the improvement of computer skills with the goal of producing a personal video portfolio. This course may be taken two times. 36 lecture hours, 72 lab hours. CSU. Lab Fee: \$10.

Astronomy (Physical Sciences Department)

Astronomy is concerned with celestial bodies and their structure, origin and fate.

Astronomy Courses

ASTR 115
Planetary Astronomy
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. 54 lecture hours. CSU;UC

ASTR 115H
Planetary Astronomy - Honors
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of astronomical readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

ASTR 116
Stellar Astronomy
4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

The fundamental areas of stellar astronomy including the structure, classification and evolution of stars, galaxies and the

universe, interstellar matter, and the theories of Newton and Einstein. Laboratory exercises include: energy and forces, light, optics, telescopes, stars and their classification, and galaxies. 54 lecture hours, 54 lab hours. CSU;UC

ASTR 117
Life In The Universe

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

The origin and evolution of life on Earth, the processes and conditions relevant to life elsewhere in the universe, and the ongoing search for extraterrestrial life. 54 lecture hours. CSU;UC

Automotive Technology
(Technology & Engineering Department)

This program is designed to prepare students for employment in the automotive service, diagnosis and repair industry or qualify them for a more responsible position within the field. Courses prepare students for Automotive Service Excellence (ASE) Certification.

Automotive Technology Courses

AUTO 100
Automotive Technology and Maintenance for the Consumer
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Intended for non-majors. Automobiles and light trucks will be explained from the point of view of the consumer. Operation of essential automotive technologies is central to the course goal of skill development in the inspection of various automobile systems for needed repairs and/or maintenance performed by the end-user. Appropriate lab activities in automobile inspection, service and repair are included. 54 lecture hours, 18 lab hours. CSU

AUTO 101
Fundamentals of Automotive Service, Diagnosis and Repair
5 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Intended for automotive majors, this class serves as the pre-requisite for all automotive certificate and/or degree-applicable courses. Automobiles and light trucks will be explored from the point of view of the service technician. Scientific principles and operation of essential automotive tech-

nologies are central to the course goal of preparing students for entry into the automotive core curriculum. Appropriate lab activities in automobile inspection, service and repair are included. 72 lecture hours, 54 lab hours. CSU

AUTO 141
Engine Mechanical Systems
4 Units **Grade or P/NP**
Prerequisite: AUTO 101 or minimum one year industry experience

Intended for those students majoring in automotive technology or those currently employed with an automotive service/repair establishment seeking to improve their skills. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. This course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 54 lab hours. CSU

AUTO 142
Drivetrain Systems
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or Minimum 1 year industry experience.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Intended for those students majoring in automotive technology or those currently employed with an automotive service/repair establishment seeking to improve their skills. The course covers essential drive train theory; inspection, diagnosis, service and repair of manual and automatic transmissions and transaxles, including four-wheel/all-wheel drive systems. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drive train and Axles (A3) certification exams. 72 lecture hours, 54 lab hours. CSU

AUTO 144
Chassis Systems
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or one year of employment as automotive technician.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.
Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This course includes limited laboratory time. The greatest benefit will be realized for those students with the ability to take the course content and apply it in their place of employment. The course covers essential chassis system theory; inspection, diagno-

sis, service and repair of the following undercar systems: Brake, steering, suspension, alignment, wheels and tires. Ride control and ABS are introduced. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 72 lecture hours, 54 lab hours. CSU

AUTO 146
Automotive Electrical Systems
4 Units **Grade or P/NP**
Prerequisite: Minimum 1 year industry experience or AUTO 101 or Co-Requisite: AUTO 101.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.

Intended for those students majoring in automotive technology or those currently employed with an automotive service/repair establishment seeking to improve their skills. This course covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, instrument-panel warning lights and power accessories. Prepares students for ASE Electrical & Electronic Systems (A6) certification. This course is the same as MOTO 146. 54 lecture hours, 54 lab hours. CSU

AUTO 148
Engine Control Systems
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or Minimum 1 year industry experience.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.

Generally intended for those students majoring in automotive technology and currently employed with an automotive service/repair establishment. This course includes limited laboratory time. The greatest benefit will be realized for those students with the ability to take the course content and apply it in their place of employment. The course covers essential engine management system theory, along with inspection, diagnosis, service and repair of the following systems: Ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. Course prepares students for ASE Engine Performance (A8) certification. 72 lecture hours, 54 lab hours. CSU

AUTO 151**Engine Service, Diagnosis and Repair
5 Units** **Grade Only****Prerequisite:** AUTO 101.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential engine theory, inspection, diagnosis, service & repair. Engine disassembly, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. Course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 135 lab hours.

AUTO 154**Chassis Service, Diagnosis, and Repair
8 Units** **Grade Only****Prerequisite:** AUTO 101.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential chassis system theory, along with inspection, diagnosis, service & repair of the following undercar systems: brake, steering, suspension, alignment, wheel/tire, ride control and ABS. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 108 lecture hours, 135 lab hours.

AUTO 156**Automotive Electrical/Electronic Systems I
4 Units** **Grade or P/NP****Prerequisite:** AUTO 101 or**Co-Requisite:** AUTO 101.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 54 lecture hours, 36 lab hours. CSU

AUTO 162**Drivetrain Service, Diagnosis and Repair
8 Units** **Grade Only****Prerequisite:** AUTO 101.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 154, MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drivetrain and Axles (A3) certification exams. 108 lecture hours, 135 lab hours.

AUTO 166**Automotive Electrical/Electronic Systems II
3 Units** **Grade Only****Prerequisite:** AUTO 156.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130 and ENGL 100.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers advanced electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific accessory systems including supplemental restraint, navigation, entertainment, power windows/locks/seats, customizable body electronics, hybrid vehicle controls and multiplex systems. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 36 lecture hours, 54 lab hours.

AUTO 167**Automotive HVAC Service, Diagnosis & Repair
3 Units** **Grade Only****Prerequisite:** AUTO 101 .**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 156, MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. This class covers essential heating, ventilation and air conditioning system theory, along with inspection, diagnosis, service & repair of specific HVAC subsystems including: Refrigeration, air distribution and automatic temperature control. Course prepares students for ASE Heating and Air Conditioning (A7) certification. 36 lecture hours, 54 lab hours.

AUTO 168**Engine Control Systems Service, Diagnosis and Repair
8 Units** **Grade Only****Prerequisite:** AUTO 101.**Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level. Also, AUTO 151. MATH 130 or higher and ENGL 100 or higher.

Intended for those seeking a career in the automotive service and repair industry, this NATEF certified course is one component of the T-TEN and TEC programs. The course covers essential engine management system theory, along with inspection, diagnosis, service & repair of the following systems: Ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. Course prepares students for ASE Engine Performance (A8) certification. 108 lecture hours, 135 lab hours.

AUTO 230A**Automotive Service and Repair Work Experience A
1 Unit** **Pass/No Pass Only****Prerequisite:** Department consent required prior to enrollment.**Strongly Recommended:** Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. The AUTO 230 courses may be taken four times for a maximum of four units. 9 lecture hours, 160 lab hours.

AUTO 230B**Automotive Service and Repair Work Experience B
2 Units** **Pass/No Pass Only****Prerequisite:** Department consent required prior to enrollment.**Strongly Recommended:** Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. The AUTO 230 courses may be taken four times for a maximum of four units. 9 lecture hours, 320 lab hours.

AUTO 230C
Automotive Service and Repair Work Experience C
3 Units **Pass/No Pass Only**

Prerequisite: Department consent required prior to enrollment.
Strongly Recommended: Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. The AUTO 230 courses may be taken four times for a maximum of four units. 9 lecture hours, 480 lab hours.

AUTO 230D
Automotive Service and Repair Work Experience D
4 Units **Pass/No Pass Only**

Prerequisite: Department consent required prior to enrollment.
Strongly Recommended: Completion of 16 units in automotive technology coursework.

Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty adviser. Lab hours are arranged and completed at the place of employment. The AUTO 230 courses may be taken four times for a maximum of four units. 9 lecture hours, 640 lab hours.

AUTO 281
Advanced Toyota Certified Technician Training
6.5 Units **Pass/No Pass Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Currently a full-time journeyman level technician with two years of dealership experience or four years experience at an independent repair facility, or Completion of 1080 hours of NATEF-Master certified post-secondary automotive training program with at least 12 months of technician experience or Successful completion of all requirements of the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician Certificate of Achievement except the Auto 281 course.

An advanced-level course specifically designed to meet the Toyota Certified Technician Program requirements for certification in the following University of

Toyota technical training courses: 021, 263, 302, 453, 553, 623, 652, 753, and 852. Only individuals meeting the requirement of the T-TEN Professional Certificate or the current T-TEN students that have completed the NATEF core classes may attend. Classes are offered Pass/No Pass only. 88 lecture hours, 88 lab hours.

AUTO 290
Introduction to the Automotive Aftermarket
1 Unit **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This class is an introduction to the automotive aftermarket industry. It provides an insight into the various specialized segments that make up the industry and explores employment opportunities, specific job requirements, and career paths. 18 lecture hours.

AUTO 291
Engine Performance Enhancements and Tuning
3 Units **Grade Only**

Prerequisites: AUTO 112 or AUTO 120 or AUTO 125 and AUTO 128 and AUTO 129 or consent of department.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This class covers the engine performance enhancements available for automotive vehicles. The subject areas covered include stand-alone engine management systems, fuel systems, turbochargers, superchargers, nitrous oxide, ignition systems, and the use of the chassis dynamometer as a tuning tool. 36 lecture hours, 54 lab hours.

AUTO 292
Advanced Drivetrain Development
2 Units **Grade Only**

Strongly Recommended: AUTO 200 or AUTO 202 or AUTO 210 or AUTO 213 or AUTO 214 or AUTO 221 or consent from department. Also, READ 099 if required by reading placement exam or if required by reading level.

The theory of operation, testing, service, and proper selection of high performance drivetrain components as well as the modification of domestic and foreign drivetrain components for use in high performance applications. 18 lecture hours, 54 lab hours.

AUTO 293
Advanced Steering, Suspension and Geometry
3 Units **Grade Only**

Strongly Recommended: AUTO 114 or AUTO 150 or AUTO 160 or consent from department. Also, READ 099 if

required by reading placement exam or if required by reading level.

The course covers: advanced chassis geometry, ultra high performance tires, aftermarket adjustment procedures on front and rear wheels, selection and installation of alignment kits, performance steering and suspension modifications, weight distribution, and NVH correction. This is an advanced course in disc brake design. Also covered are the structure, geometry, composition, production, quality, analysis, and testing, of original equipment and aftermarket disc brake systems. 54 lecture hours.

AUTO 294
Brake Design and Analysis
3 Units **Grade Only**

Strongly Recommended: Consent from Department. Also, READ 099 if required by reading placement exam or if required by reading level.

This is an advanced course in disc brake design. The course will cover structure, geometry, composition, production, quality, analysis, and testing, of original equipment and aftermarket disc brake systems. 54 lecture hours.

AUTO 295
Engine Design
4 Units **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach engine design principles and analysis of cylinder heads, cylinder blocks, crankshafts, piston and rings, connecting rods, camshaft, valve train systems. The course will also cover the design and tuning of intake and exhaust systems, turbo charging and supercharging and the use of basic and advanced engine design formulas. 72 lecture hours. CSU

AUTO 296
Cylinder Head Development
4 Units **Grade Only**

Prerequisite: AUTO 295 or 1 year of work experience in the automotive field with an emphasis on engine machining or repair.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach the skills necessary to develop a cylinder head for total performance. Emphasis will be placed on cylinder head development and reconditioning, head CCing, and basic flow bench operation. 54 lecture hours, 54 lab hours.

AUTO 297
Cylinder Block Development
4 Units **Grade Only**
Prerequisite: AUTO 295 or one year work experience in the automotive field with an emphasis on engine machining or repair.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to teach the skills necessary to develop and rebuild a cylinder block for total performance. Emphasis will be placed on cylinder block development and reconditioning, including operation of align-honing, surfacing, boring, and honing machine operation. 54 lecture hours, 54 lab hours.

AUTO 298
Special Projects
2 Units **Grade or P/NP**

Prerequisites: AUTO 295 and AUTO 296 or AUTO 296 and AUTO 297 or AUTO 262 and AUTO 291 and AUTO 292 and AUTO 293.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Consent from instructor.

This laboratory class is designed to provide hands-on application of skills and techniques acquired in the High Performance Institute (HPI) program series of classes. The HPI program has a number of designated special projects that students will take part in. Students take an active role in planning, preparation, and completion of projects during the semester. 108 lab hours.

AUTO 299
Engine Dynamometer Operation and Testing Procedures
2 Units **Grade Only**

Prerequisite: AUTO 295 or one year experience in the automotive field with an emphasis on engine machining or chassis dynamometer operation.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers engine dynamometer operation and testing procedures with evaluation of test results for performance tuning. 18 lecture hours, 54 lab hours.

Automotive Topic Courses

AUTO 695A
Special Topics: Automotive Technology
0.5 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This

course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 9 lecture hours.

AUTO 695B
Special Topics: Automotive Technology
1 Unit **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 18 lecture hours.

AUTO 695C
Special Topics: Automotive Technology
2 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 36 lecture hours.

AUTO 695D
Special Topics: Automotive Technology
3 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 54 lecture hours.

AUTO 696A
Special Topics: Automotive Technology
0 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 9 lab hours.

AUTO 696B
Special Topics: Automotive Technology
0.5 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This

course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 18 lab hours.

AUTO 696C
Special Topics: Automotive Technology
0.5 Units **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 36 lab hours.

AUTO 696D
Special Topics: Automotive Technology
1 Unit **Grade or P/NP**

This course covers special and emerging topics not found in other courses within the discipline. Topics vary and are determined by the department. See the department for current term emphasis. This course may be taken four times regardless of the unit combination, however, no single-subject, special topics class may be repeated. 54 lab hours.

Biology (Natural Sciences Department)

These courses are designed for two different purposes, some for general education and others as introductory level courses required for such professional disciplines as biology, dentistry, forestry, optometry, medicine, registered nursing, veterinary medicine and wildlife management. Students, who intend to transfer as biology majors, or in majors closely related to biology, are advised to consult with a Citrus College counselor.

Biology Courses

BIOL 100
Introductory Biology
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A preparatory biology course which serves as an introduction to scientific method, cell structure and function, cell division, genetics, energy relationships, nutrient processing and usage, biological diversity and environmental relationships. 54 lecture hours.

BIOL 102
Human Genetics
3 Units **Grade Only**
Prerequisite: MATH 130.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

General principles of genetics and reproduction in wellness and disease as applied to humans. Topics include Mendelian inheritance, extensions and exceptions to Mendelian inheritance, multifactorial traits, DNA structure, function, and replication, cell division, population genetics, evolution, immunity, cancer, and genetic technologies. 54 lecture hours. CSU;UC

BIOL 104
Biology: Contemporary Topics
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A general biology lecture course for non-majors which will cover basic life processes and address contemporary issues in biology. Biological principles covered will include chemical foundations of biology, cell structure and function, cell reproduction, and genetics. Contemporary issues may include such areas as public health, biotechnology, and environmental science. 54 lecture hours. CSU;UC

BIOL 105
General Biology
4 Units **Grade Only**
Strongly Recommended: MATH 130 and high school biology or chemistry.
Also, READ 099 if required by reading placement exam or if required by reading level.

The general biology course, lecture and laboratory, for non-majors, with emphasis upon molecular biology, cell structure and function, energy relationships, human physiological systems (including reproductive anatomy, reproductive cycles, development, and immunity), genetics, evolution, ecological interrelationships, and discussion of contemporary issues. The laboratory provides the student with expanded first-hand experience in specific areas of course content. 54 lecture hours, 54 lab hours. CSU;UC

BIOL 109
Biology for Educators
4 Units **Grade Only**
Prerequisite: MATH 130 or Co-Requisite: MATH 130.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of biology and the interrelationships among living organisms. Emphasis is placed upon the chemical basis of life, the role of cells in the formation of complex

organisms, the relationship between structure and function in complex organisms like plants and animals, the role that genetics plays in the evolution of life, and the relationship between living organisms and the physical world around them. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. 54 lecture hours, 54 lab hours. CSU;UC

BIOL 116
HIV and AIDS: Insights and Implications
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course covering the most common sexually transmitted diseases (STD's) with emphasis on the complex biological, sociological, and psychological aspects of the AIDS epidemic. Topics include history of the infections, agent(s), current medical knowledge, transmission, risk reduction, and societal responses. Common myths and misunderstandings will be identified to distinguish them from accepted scientific information. Selected topics will be presented by guest speakers. 54 lecture hours. CSU;UC

BIOL 124
Principles of Biology I
5 Units **Grade Only**
Prerequisite: MATH 150.

A principles of biology course designed for biology majors and pre-med. students. Detailed study of basic structure and function of living material, with emphasis on cell and molecular biology, genetic mechanisms and their control, reproduction and development, evolution. 72 lecture hours, 54 lab hours. CSU;UC

BIOL 125
Principles of Biology II
5 Units **Grade Only**
Prerequisite: MATH 150.

A principles of biology course designed for biology majors and pre-med. students. Detailed study of basic structure and function of living material, with emphasis on the diversity of living material, animal and plant form, function, reproduction and development, evolution, and ecological relationships. 72 lecture hours, 54 lab hours. CSU;UC

BIOL 145
Environmental Science
3 Units **Grade Only**
Strongly Recommended: BIOL 104 or BIOL 105. Also, READ 099 if required by reading placement exam or if required by reading level.

A lecture course exploring contemporary global environmental concerns. Basic concepts covered will include the Earth's life support systems, population dynamics,

environmental pollution, food production, and natural resource utilization. Emphasis will be placed on recognizing global environmental problems, and exploring various solutions for them. 54 lecture hours. CSU;UC

BIOL 200
Human Anatomy
4 Units **Grade Only**
Prerequisite: BIOL 105.

Biology 200 is a lecture/laboratory course in human anatomy focusing on the structures and organs of the human body. Students will be required to learn and understand the structures from the molecular to gross levels, using the microscope, standard anatomical (plastic) models, and preserved specimens (sheep heart, sheep brain, and cat). Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU;UC

BIOL 201
Human Physiology
4 Units **Grade Only**
Prerequisites: BIOL 200 and CHEM 103.

An advanced course in human physiology emphasizing nervous, muscle, cardiovascular, immune, respiratory, urinary, gastrointestinal, reproductive, & endocrine systems. Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU;UC

BIOL 210
Nutrition
3 Units **Grade Only**
Co-Requisites: CHEM 103 or CHEM 110 or BIOL 124:

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in nutrition concerned with its principles and their use in the selection of food in clinical situations. Designed for allied health and child development students. 54 lecture hours. CSU;UC

BIOL 220
Microbiology
5 Units **Grade Only**
Prerequisites: CHEM 103 or CHEM 110 and BIOL 104 or BIOL 105.

An introduction to the biology of microorganisms including bacteria, viruses, fungi, and protozoa. Metabolism, genetics, culture methods, identification, and control of common microbes are considered. Emphasis is placed on the virulence mechanisms and control of human pathogens and on the principles of immunology and host defense. Laboratory work includes techniques common to the control, culture, and identification of microbes. Required of pre-nursing students and medical technologists. 54 lecture hours, 108 lab hours. CSU;UC

Business (Business Department)

The Business Program encompasses a broad area of study that includes business management, business law, marketing, business ethics, personal finance and business communication skills. The Business Program within the Citrus College Business Department conducts the program with outstanding faculty to prepare students to transfer to four-year institutions, for professional careers and/or personal growth. The program combines classroom lectures, demonstrations and practical application within the business environment.

Business Courses (See Also Accounting, Office Technology & Computer Applications & Real Estate)

BUS 130
Introduction to Business
3 Units **Grade Only**
This is a foundation course in business administration. It is recommended for all students planning further study in this field. Lecture, discussion and problems involve such topics as business finance, personnel, production, distribution, government regulations, and managerial controls. 54 lecture hours. CSU;UC

BUS 132
Ethics in Business
3 Units **Grade Only**
This course emphasizes development of managerial decision-making skills utilizing ethical business standards for improvement of business organizations, communities, government, and international trade. 54 lecture hours. CSU

BUS 140
International Business
3 Units **Grade Only**
A comprehensive overview of international business for beginning and experienced business people with a global perspective on international trade including foreign investments, impact of financial markets, international marketing, and the operation of multi-national corporations. 54 lecture hours. CSU

BUS 146
Personal Finance
3 Units **Grade Only**
This course introduces basic concepts of personal finance. Topics include managing personal assets, investing in various financial instruments, analyzing various aspects of insurance, planning for retirement, and budgeting household expenditures. Credit card debt, home financing, and buying/leasing vehicles will be discussed along with personal income tax issues. 54 lecture hours. CSU

BUS 150
Business English
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
An introductory course in business writing, which includes a common-sense approach to the use of English grammar, punctuation and style in the business context, and strategies for effective writing of business-related communications. Recommended for business majors. 54 lecture hours. CSU

BUS 152
Business Communications
3 Units **Grade or P/NP**
Strongly Recommended: BUS 150. Also, READ 099 if required by reading placement exam or if required by reading level.
A study of principles and strategies for developing effective written and oral communication skills for use in the workplace and in business. Several types of written and oral forms of business communication are highlighted. Recommended for business majors. 54 lecture hours. CSU

BUS 160
Business Law and the Legal Environment I
3 Units **Grade or P/NP**
A study of law, with an emphasis on the law's relationship to business. Topics covered include the legal environment of business, court procedures, jurisdiction, torts and crimes in the business environment, intellectual property, principles of contract law, commercial transactions, and ethical business practices. 54 lecture hours. CSU;UC

BUS 161
Business Law and the Legal Environment II
3 Units **Grade or P/NP**
A study of law, with an emphasis on the law's relationship to business. Topics covered include agency, employment law, consumer law, environmental law, sole proprietorships, franchises, partnerships, corporations, insurance, real and personal property, landlord-tenant law, wills and trusts, elder law, creditors' rights and remedies, secured transactions, bankruptcy law, negotiable instruments, antitrust law, professional liability, and international law. 54 lecture hours. CSU;UC

BUS 170
Small Business Management
3 Units **Grade or P/NP**
The study of business organization emphasizing the small independently-owned business. Instructional topics include discussion of the benefits of small business, creation of a new venture, marketing, managing, financial, and administrative controls. 54 lecture hours. CSU

BUS 172
Personnel Management
3 Units **Grade Only**
The study of personnel management emphasizing employer/employee relationships, communications, employee selection, job analysis and description, job motivation and productivity, employee benefits, principles of collective bargaining, labor relations, O.S.H.A., and affirmative action. 54 lecture hours. CSU

BUS 175
Introduction to Management
3 Units **Grade or P/NP**
A course focusing on communication, decision making, and leadership for administrative and managerial positions in business, government, the professions, and the volunteer sector. 54 lecture hours. CSU

BUS 176
Management for the Office Professional
3 Units **Grade or P/NP**
An overview of office management for administrative professionals. Topics include: concepts and trends in administrative office management, centralizing/decentralizing managerial authority, communication in the office, managing a culturally diverse workplace, managing the ergonomic office environment, automating the office, managing office information systems, and improving office productivity. 54 lecture hours. CSU

BUS 185
Elements of Marketing
3 Units **Grade Only**
A course focusing on the moving of goods, services, and ideas from producer to consumer. Topics include: functions and institutions of marketing; marketing research and customer motivation; buying, selling, pricing and competition; transportation, storage and packaging; banking, communication, and insurance. 54 lecture hours. CSU

BUS 192
Advertising
3 Units **Grade or P/NP**
A study of media advertising, including magazine, television, radio, newspaper, and direct mail; the purpose and cycles of advertising; laws affecting advertising; and economic effects of advertising. 54 lecture hours. CSU

BUS 246
Personal Investments
3 Units **Grade or P/NP**
This course provides a comprehensive study of stocks, bonds, and related securities which includes a detailed study of the nature of these securities and their markets. Emphasis is placed on personal investment objectives for growth, growth

with income and income with preservation of capital. Also covered is the topic of with taxes and their affect on investment policy. 54 lecture hours. CSU

Chemistry (Physical Sciences Department)

The two-year program in chemistry provides the student with a broad background in inorganic and organic chemistry and quantitative analysis. Other majors requiring chemistry include engineering (CHEM 111, 112); nursing (CHEM 103, 104); pre-medicine, pre-dentistry, pre-pharmacy, pre-veterinary science, chiropractic (CHEM 111, 112, 210, 211, 220, 221L).

Chemistry Courses

CHEM 103
College Chemistry
5 Units **Grade or P/NP**
Prerequisite: MATH 130.

The first semester of a year program includes chemistry of inorganic compounds; covers topics of nomenclature, stoichiometry, bonding, chemical equations, gas laws, solutions, acids and bases, nuclear processes and chemical equilibrium. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy and home economics. 72 lecture hours, 72 lab hours. CSU;UC

CHEM 104
College Chemistry
5 Units **Grade or P/NP**
Prerequisites: CHEM 103 or CHEM 110.

The second semester of a year program includes chemistry of organic compounds; covers topics in biochemistry including carbohydrates, fats, proteins, metabolism, nucleic acids, and nutrition. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy and home economics. 72 lecture hours, 72 lab hours. CSU;UC

CHEM 106
Physical Science for Educators
4 Units **Grade Only**
Prerequisite: MATH 130 or
Co-Requisite: MATH 130.
Strongly Recommended: READ 099 if
required by reading placement exam
or if required by reading level.

This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of chemistry and physics and the relationships among these disciplines. Emphasis is

placed on the ways in which chemistry and physics affect everyday life. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. This course is the same as PHYS 106. 54 lecture hours, 54 lab hours. CSU

CHEM 110
Beginning General Chemistry
5 Units **Grade or P/NP**
Prerequisite: MATH 150 or
Co-Requisite: MATH 150.
Strongly Recommended: READ 099 if
required by reading placement exam
or if required by reading level.

An introductory course in the fundamental principles of chemistry. Topics covered are those necessary for understanding chemical structure and reactivity, and for performing scientific calculations. There is an emphasis on laboratory work and communication skills. The course is designed for science and engineering majors, pre-medical students, and as a general education class. 54 lecture hours, 126 lab hours. CSU;UC

CHEM 111
General Chemistry
5 Units **Grade or P/NP**
Prerequisites: MATH 150 and CHEM
110 or Passing score on Chemistry
Placement Exam.

A general course in the fundamental principles of chemistry. Topics covered include periodicity, stoichiometry, nomenclature, atomic structure, bonding, chemical calculations, thermodynamics, intermolecular forces, gases and organic chemistry. The course is designed for all science and engineering majors and pre-medical students. 54 lecture hours, 126 lab hours. CSU;UC

CHEM 112
General Chemistry
5 Units **Grade or P/NP**
Prerequisite: CHEM 111.

A general course in the fundamental principles of chemistry. Chemistry 112 is a continuation of Chemistry 111 and includes topics of equilibrium, kinetics, acid-base chemistry, electrochemistry, nuclear processes, coordination chemistry and thermodynamics. 54 lecture hours, 126 lab hours. CSU;UC

CHEM 210
Organic Chemistry
3 Units **Grade Only**
Prerequisite: CHEM 112.

A course in organic chemistry including the properties and reactions of alkanes, alkenes, alkynes, alcohols, ethers, thiols, emphasizing fundamental principles and reaction mechanism, stereochemistry and IR spectroscopy. First semester of a one-

year course, required for students enrolled in pre-professional programs in medicine, dentistry, pharmacy, veterinary science, biology, and chemistry. CHEM 211L required concurrently for most stated majors. 54 lecture hours. CSU;UC

CHEM 211L
Organic Chemistry Laboratory
1 Unit **Grade Only**
Prerequisite: CHEM 210 or
Co-Requisite: CHEM 210.

Introduction to organic laboratory techniques such as melting point, crystallization, distillation, thin layer chromatography, extraction. Synthesis of an ether and an alkene. 54 lab hours. CSU;UC

CHEM 220
Organic Chemistry
3 Units **Grade Only**
Prerequisite: CHEM 210.

A course in organic chemistry including the properties and reactions of aromatic compounds, aldehydes, ketones, carboxylic acid derivatives, enols, enolates, amines, and selected topics in biochemistry, NMR, and mass spectrometry. Second semester course required for students in pre-professional programs in medicine, dentistry, pharmacy, veterinary science, biology, and chemistry. CHEM 221L is required concurrently for most of the stated majors. 54 lecture hours. CSU;UC

CHEM 221L
Organic Chemistry Laboratory
1 Unit **Grade Only**
Prerequisite: CHEM 220 or
Co-Requisite: CHEM 220.

Synthesis of selected organic compounds, including multi-step processes, techniques of column chromatography, IR spectroscopy. 54 lab hours. CSU;UC

Chinese Courses (Foreign Languages Department)

The Foreign Languages Program offers four semesters of proficiency-based instruction in listening, speaking, reading and writing Spanish, French, and German and two semesters in Chinese and Japanese. Areas of study include beginning and intermediate vocabulary, grammar and syntax, pronunciation, and cultural understanding. The program combines classroom lectures, guided practice, and a variety of communicative activities in the target language, with individual work in the language lab using various media.

CHIN 101
Chinese I
5 Units **Grade or P/NP**
Strongly Recommended: READ 099 if
required by reading placement exam
or if required by reading level.

A course in elementary Chinese (Mandarin) grammar, vocabulary and pronunciation which aims at understanding, speaking, reading and writing simple Chinese and serves as an introduction to Chinese geography and culture. 90 lecture hours. CSU;UC

CHIN 102
Chinese II
5 Units **Grade or P/NP**
Prerequisite: CHIN 101 or Two years of High School Chinese.

Chinese 102 continues to present the fundamentals of Chinese grammar. Students are further trained to pronounce Mandarin correctly, to build their conversational and written vocabulary, and to read and write approximately 300 more Chinese characters. 90 lecture hours. CSU;UC

Child Development
(Behavioral Sciences Department)

The Child Development Program is designed for students planning careers working with children ages 0-18 in a multitude of professions including early childhood education, childcare settings, and teaching in public or private schools.

Child Development Courses

CHLD 100
Introduction to Education and Teaching
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is an introductory course for students wishing to explore the teaching profession in the K-12 setting. Topics include an introduction to teacher performance expectations and California Standards for the teaching profession. Other topics include pedagogical strategies, curriculum design, California subject matter standards, use of technology in today's classroom and the importance of current issues and legislation. In addition, students will be required to observe 45 hours in K-12 classrooms. 54 lecture hours. CSU

CHLD 106
Parenting Your Preschool Child
0.5 Units **Pass No Pass Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will be taught through practical experience and a series of discussions. A variety of topics will be covered including health, nutrition, sex education, discipline, self-esteem, reading and literacy, library use, media evaluation, hospitaliza-

tion and illness, divorce and separation, death, parents as teachers, play techniques, community resources. Offered for Pass/No Pass grading only. This course may be taken four times. 9 lecture hours.

CHLD 108
Model Approach to Partnership in Parenting
1.5 Units **Pass/No Pass Only**

An in-service training series for foster parents. Mandated for newly licensed foster parents by Los Angeles County Department of Children and Family Services. Offered for Pass/No Pass grading only. 27 lecture hours.

CHLD 109
Introduction to Early Childhood Education
3 Units **Grade Only**

This is an introductory course for exploring the philosophy, education, care and careers early childhood education. It includes an overview of the developmental stages of children and major theories of development and their application. This course will study the emotional/psychological, cognitive, and physical development of children. It also includes a study of the influence of heredity and environmental factors such as parenting practices and education. 54 lecture hours.

CHLD 110
Early Childhood Development
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will critically examine theories of child development in the physical, intellectual and social-emotion areas as they pertain to the various ages and stages of development in a child's life from prenatal development through early childhood. Practices in teaching that derive from theories and diverse cultural environments will be analyzed and evaluated in light of an understanding of the whole child at different developmental stages. Students will learn to observe and assess developmental stages and gain insight and an appreciation of cultural differences through directed observations. 54 lecture hours. CSU

CHLD 111
Child Development Youth - Adolescence
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course examines the history and philosophy of child development from middle childhood through adolescence (8-18 years). This includes a survey of parenting and educational practices as well as examining the responsibilities of teaching and

caring for this age group. 54 lecture hours. CSU;UC

CHLD 112
Principles of Early Childhood Education I
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to introduce students to philosophies of early childhood education and to their actualization in design of environment and program. Observation and analysis of the elements that make up a developmentally appropriate program for young children will be required. The student will learn how to assess and meet individual children's developmental needs, create an environment that supports the diversity of cultures, and communicate with parents/caregivers in ways that facilitate partnership in their child's education. 54 lecture hours.

CHLD 114
Home-Child-Community Relations
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of home, child, school and community relationships as they pertain to the historical and contemporary perspectives on the education and socialization of children. Includes an examination of community resources and the influences of age, gender, diverse abilities, culture, socioeconomic status and public policy factors that affect children and families. 54 lecture hours. CSU

CHLD 116
Introduction to Curriculum
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will present an overview of knowledge and skills related to providing developmentally appropriate curriculum and environments for young children from birth through age six. Examination of the teacher's role in supporting learning and development in young children with an emphasis on the essential role of play. Students will study the overview of content areas including language and literacy, social and emotional learning, sensory learning, creative arts, math and science. 54 lecture hours. CSU

CHLD 118
Effective Family Child Care Practices
2 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course introduces students to strate-

gies that will help them to create and operate a family day care business. The course will cover issues dealing with licensing and business practices as well as techniques to promote parent-caregiver relationships. Students will also evaluate family day care environments and curriculum. 36 lecture hours.

CHLD 120
Literacy for Children
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will explore techniques for developing literacy skills in the preschool and early school-age child. Discussion and planning of developmentally appropriate curriculum that supports children's listening, speaking, reading and writing skills. Students will survey children's books and learn techniques to enhance literacy development. A complete language arts program that includes storytelling, puppetry and other relevant literacy experiences will be explored. 54 lecture hours.

CHLD 121
Art for Children
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Designed to provide the student with opportunities to experience personally and evaluate art and crafts materials used with the preschool and early school-age child to discover the development of creativity in themselves and in children. The student will design developmentally appropriate art curriculum and explore ways to support creative thinking and experiences for children. Students will gain appreciation for art within diverse cultures and society at large. 36 lecture hours.

CHLD 122
Music and Rhythms for Children
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will provide the student with basic skills and techniques for using musical instruments, recordings and songs and development of rhythmic movement activities to use with preschool and early school-age children. Discussion and planning of developmentally appropriate curriculum that supports children's music and movement needs. Previous music experience not required. 36 lecture hours.

CHLD 123
Science Experiences for Children
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course focuses on planning and implementing science experiences with preschool and early school-age children. Discussion and planning of developmentally appropriate curriculum that supports children's understanding of life, earth and physical science concepts. Exposure to formal, informal and incidental science activities and direct use of science materials. Analysis of the teacher's role in incorporating science concepts within the total program for children. 18 lecture hours.

CHLD 124
Mathematics for Children
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The student will gain knowledge of practical mathematics activities to use with preschool and early-school age children. Planning of developmentally appropriate math curriculum activities. Analysis of relevant theories of child development. Designed to provide the student with opportunities to experience directly and evaluate mathematical materials. 18 lecture hours.

CHLD 130
Infant Development and Group Care
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course focuses on the development of the infant and on the dynamics of infant group care. Methods of providing care designed for physical, emotional, social, and intellectual development will be stressed. The health and safety requirements of the state and county are included. 54 lecture hours. CSU

CHLD 134
Parent-Child Interaction
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course explores dynamics of parent-child relationships. Students will analyze the process of being a parent, considering both internal and external forces that have influences. A focus on children from birth to adolescence will include understanding developmental needs. A problem solving approach to the parent-child interaction will be examined to promote positive relationships within a harmonious family atmosphere. 54 lecture hours. CSU

CHLD 140
Before/After-School Programs
3 Units **Grade Only**
Prerequisite: CHLD 111

An overview of quality school age child-care programs based on good child development principles and practices. This

course includes community resources, environment, staffing, activities, homework assistance, discipline and relationships. This class meets the Title XXII licensing requirements for personnel in school age programs. 54 lecture hours.

CHLD 142
Parent Teacher Partnership
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will focus on planning and implementing educational programs that supports successful parent-teacher partnerships. Analyses of family patterns, parent involvement, teaching techniques, and policy. Barriers to good parent-teacher relationships are analyzed and solutions generated. Emphasis is placed on building partnerships within the preschool and early-school age classroom. 18 lecture hours.

CHLD 144
Health, Safety and Nutrition for Young Children
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an overview of health, safety and nutrition issues, policies, and procedures and focuses on the development of health, safety and nutrition curricular materials. 54 lecture hours. CSU

CHLD 145
Child Abuse Education
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is a comprehensive overview of the research in the area of child abuse including physical, emotional, sexual abuse and neglect. The causes and effects of child maltreatment will be addressed. Prevention and support services, treatment modalities, and crisis intervention will be explored. 54 lecture hours.

CHLD 147
Computers In Early Childhood Programs
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will be introduced to computer use in Early Childhood Programs. Hardware requirements will be reviewed and students will have an opportunity to use and evaluate a data base program designed for Early Childhood Programs. 54 lecture hours.

CHLD 150**Multi-Culture Anti-Bias Classrooms**
3 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to assist students in becoming more effective teachers of individuals from backgrounds other than their own. Included is an examination of concepts of culture, ethnicity, gender, sex, prejudice and discrimination and an analysis of the appropriateness of current educational theories relating to a diverse society. Emphasis will be given to increasing understanding of subcultures based on ethnicity, age, religion, gender, language, family background and income. The development of bias free curriculum models, methods and philosophies will be examined. 54 lecture hours. CSU

CHLD 154**Observing and Recording Behavior**
3 Units **Grade Only**

Prerequisites: CHLD 110 or CHLD 111 or PSY 206 and CHLD 112 and CHLD 114.

This course will focus on principles of observation, collection, organization, and uses of data. Observation as the basis for evaluation of children's skills and the formulation of lesson plans will be the basis of field work assignments. Students will practice a variety of techniques in a variety of different settings. Students will organize data gathered for use in lesson planning and parent conferencing. 54 lecture hours.

CHLD 156**Practicum A in Early Childhood Education**
2 Units **Grade Only**

Prerequisites: CHLD 110 or PSY 206 and CHLD 112 and CHLD 114 and CHLD 154 and 8 units from the following: CHLD 120, 121, 122, 123, 124, 134, 142, 144, 150, 160, 164.

This course is designed to provide the student with opportunities to identify, develop, and implement appropriate activities which support the total growth of the whole child. Emphasis is placed on teacher planning and implementation of curriculum, environment design, documentation of children's learning, and parent involvement. Advocacy for children and families in social policy and critical evaluation of early childhood programs/philosophies will be examined. 36 lecture hours.

CHLD 156L**Practicum A Lab**
1 Unit **Grade Only**

Co-Requisite: CHLD 156.

The student will have the opportunity for application of acquired knowledge and

teaching skills directly in the early childhood classroom. The students will gain experience teaching activities to children and developing a professional attitude. 54 lab hours arranged.

CHLD 158**Practicum B in Early Childhood Education**
2 Units **Grade Only**

Prerequisite: Twelve units of CHLD including CHLD 112 and six units from the following: CHLD 120, 121, 122, 123, 124, 125, 126, 127, or 128.

The course offers the student actual experience in planning, presenting, and evaluating lessons in the preschool environment. The lecture will be devoted to techniques to enhance effectiveness in the classroom setting and a discussion of the laboratory experience. 36 lecture hours. CSU

CHLD 158L**Practicum B Lab**
1 Unit **Grade Only**

Co-Requisite: CHLD 158.

The student will have the opportunity for application of acquired knowledge and teaching skills directly in the early childhood classroom. The students will gain experience teaching activities to children and developing a professional attitude. 54 lab hours arranged.

CHLD 160**Perceptual Motor and Movement Activities**
2 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will focus on evaluation of motor skills, planning and implementation of perceptual motor and movement activities appropriate for normal and motor-delayed young children. Emphasis will be placed on the role of the physical and psychomotor domain in the total development of the young child. Developmental motor activities will be examined that aid children in acquiring movement abilities and fitness, as well as social interaction and cognitive development. Participants will develop movement experiences for use in the classroom and in the planning of a motor development curriculum. 36 lecture hours.

CHLD 164**The Child with Special Needs**
3 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A presentation of different types of atypical development that interfere with normal physical, cognitive, social, behavioral and emotional growth from preschool through

early school-age children. 54 lecture hours. CSU

CHLD 166**Speech and Language Development and Disorders**
2 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will cover children's acquisition of speech and language skills from birth to age 5. Emphasis will be on normal language, articulation, fluency, and voice development. Included will be children's language learning strategies, adult teaching strategies, language and cultural differences, and an overview of communication disorders, as well as appropriate referral to a professional. 36 lecture hours. CSU

CHLD 168**Developmental Risk: Infants and Toddlers**
2 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This class introduces the student to early intervention strategies that are positive and cost-effective for use with children who are developmentally delayed or at risk for developmental delay. Information on Public Law 99-457 is included. Specific strategies for language intervention and child abuse reporting are also included. This class is appropriate for all professionals and paraprofessionals working with young children. 36 lecture hours.

CHLD 169**Managing Challenging and Disruptive Behaviors**
1 Unit **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an overview of challenging and disruptive behaviors in preschoolers. Topics of study include attention deficit disorder, aggression, and other related topics. Students will analyze behavioral issues and explore strategies for classroom management. Students will develop guidance techniques for modifying inappropriate behaviors. 18 lecture hours.

CHLD 181**Infant and Toddler Caregiver: Relationships**
1 Unit **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is one of four one-unit classes in Infant and Toddler Care giving based on the Responsive Care giving approach. Stu-

dents in this class will examine the impact of teacher/parent relationships on the quality of Infant and Toddler Care giving and review and evaluate techniques for supporting families. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 182
Infant and Toddler Caregiver: Socialization and Emotional Development
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is one of four one-unit classes in Infant and Toddler Care giving based on the Responsive Care giving approach. Students in this class will study infant and toddler temperaments, stages of social and emotional development, appropriate guidance, and responsive curriculum for group care. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 183
Infant and Toddler Caregiver: Learning and Development
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is one of four one-unit classes in Infant and Toddler Care giving based on the Responsive Care giving approach. Students in this class will learn to recognize cues and to follow the child's interest in order to facilitate the infant's discoveries and learning. Students will learn to base the curriculum on the child's interest and readiness. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 184
Infant and Toddler Caregiver: Environments and Routines
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is one of four one-unit classes in Infant and Toddler Care giving based on the Responsive Care giving approach. Students in this class will learn to set up a safe, intimate, and interesting environment for infants and toddlers. They will also learn the techniques of responsive care giving in daily routines. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

CHLD 190
Administration of Early Childhood Education Programs I
3 Units **Grade Only**
Prerequisites: CHLD 110 or CHLD 111 or PSY 206 and CHLD 112 and CHLD 114.

Introduction to the basic principles of administration of early childhood education programs. Includes specific topics of curriculum development and evaluation; staff selection, supervision and evaluation; laws and regulations; site development and supervision; budgeting and fiscal management; parent education; health and safety supervision; time management and problem solving techniques. This class meets state requirements for supervision of Title XXII preschool programs. 54 lecture hours.

CHLD 191
Administration of Early Childhood Education Programs II
3 Units **Grade Only**
Prerequisite: Eighteen units of early childhood education, CHLD 190.
Strongly Recommended: One year teaching experience.

Introduction to the policies and procedures specific to state funded programs. Includes Title V regulations, evaluation of programs utilizing the state mandated Program Quality Review, development of proposals and grant requests for state or other funding, process of promulgating regulations, affecting proposed regulations, staff development and training, development of program policies. 54 lecture hours.

CHLD 194
Personnel Issues in Early Childhood Education Programs
3 Units **Grade Only**
Prerequisite: CHLD 190.

This course addresses those personnel issues most often encountered by administrators of Early Childhood Education program including: policies and procedures for selection and supervision of staff; pre-service and in-service education; leadership and motivation; team building; conflict resolution; supervision and evaluation. 54 lecture hours.

CHLD 220
Early Childhood Education Mentor Teacher Practices
3 Units **Grade Only**
Prerequisite: Master Teacher Permit and two years teaching experience.

A study of the methods and principles of supervising student teachers in early childhood classrooms. Emphasis is on the role of experienced classroom teachers who function as mentors to new teachers while simultaneously addressing the needs of children, parents and other staff. Upon completion of this class students may be

eligible to apply to participate in the Early Childhood Mentor Teacher Program. 54 lecture hours.

College Preparation Courses (Language Arts Department)

COLL 033
Sentence Skills
3 Units **Grade Only**
This course focuses intensively on the development of sentences. Practice is provided in skillful writing of clear sentences as forms of written expression. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours.

Communications (Language Arts Department)

The communications program includes instruction and laboratory experiences in mass media and journalism. The program includes an overview of mass media; courses in reporting, writing, editing, and designing for publications; introductions to broadcasting and public relations; instruction in desktop publishing; and film studies. The curriculum features both theory and application through traditional and on-line instructional delivery systems.

Communications Courses

COMM 100
Mass Media and Society
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A survey and evaluation of mass media in economic, historical, political, psychological, and sociological terms. Focuses on helping the media consumer understand the power and significance of mass communications: books, newspapers, magazines, radio, television, motion pictures, the Internet, public relations, and advertising. Discusses the rights and responsibilities and inter-relatedness of media in a diverse global society. Required for all communications and journalism majors; also a general interest course. 54 lecture hours. CSU;UC

COMM 101
Reporting and Writing News
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to defining, gathering, and writing the news. Stresses accuracy, objectivity, fairness, and balance. Practice in

interviewing techniques, following rules of professional style, and writing basic news story structures for print, broadcast and online publications. Discussion of issues involving press rights and responsibilities, cultural sensitivity, taste, libel, and ethics. Required of all communication and journalism majors. 54 lecture hours. CSU

COMM 103
Freelance Journalism
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, ENGL 100.

This course is designed to accommodate students who want to contribute to the campus newspaper, magazines and/or student publications websites but are unable to enroll in regular staff classes. Students who are interested in advertising, writing, photography, art, graphics and/or page design may participate in students publications to a limited extent through this class. Freelance Journalism may be repeated four times. 54 lecture hours. CSU

COMM 104
Public Relations
3 Units **Grade or P/NP**

A survey of public relations history, theories, and practices with emphasis on applications to business, public agencies, and institutions. A practical approach to using the media, creating publicity releases, organizing and executing campaigns. Explores job opportunities of particular interest to communications majors. 54 lecture hours. CSU

COMM 136
Cultural History of American Films
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

In considering the history of American commercial motion picture from its origins to the present, students will study film language, the social composition of audiences, the economics of the film industry, major themes and genres that have appeared in American films, and the relationship between politics and American motion pictures. Meets IGETC fine arts requirement. CSU;UC

COMM 200
Visual Communications
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the history of film and television as visual mass media. Analysis of seminal films and television programs with emphasis on their evolution as entertainment media and their impact on society. 54 lecture hours. CSU;UC

COMM 202
Writing Broadcast News
3 Units **Grade or P/NP**
Prerequisite: COMM 101.

Intensive journalistic writing and reporting for radio and television. Newscast planning, story organization, and functions of a broadcast newsroom will be explored. Emphasis on writing assignments for both audio and video media. Lecture/discussion of issues and responsibilities facing broadcast journalists, including developing news judgment, discussing ethical considerations and examining legal issues. 54 lecture hours, 18 lab hours. CSU

COMM 230
Desktop Publishing
3 Units **Grade or P/NP**
Strongly Recommended: COMM 101.

Computer instruction and practice. Analysis of story structures and effectiveness of written material, rewriting, correction of errors, proofreading, headline writing, news and picture evaluation, and page design. Hands-on experience working on student publications with the college newspaper and magazine staffs. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

COMM 240
Newspaper Production Staff
3 Units **Grade Only**
Strongly Recommended: COMM 101.
Staff members gather, evaluate, write, photograph, and edit the news for publication in the student media. Working with the editorial board and desktop publishing classes as a production team, the staff plans, budgets, and designs each issue. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

COMM 245
Editorial Board Workshop
2 Units **Grade Only**
Strongly Recommended: COMM 101.

A study of the major aspects of editorial responsibilities. Taught in a laboratory setting, the course provides practical instruction and experience for campus editors in writing, editing, and evaluating each issue of the campus newspaper and magazine, as well as formulating editorial policy. This course may be taken four times. 18 lecture hours, 54 lab hours. CSU

COMM 250
Multimedia Reporting
3 Units **Grade Only**
Strongly Recommended: COMM 101.
Also, READ 099 if required by reading placement exam or if required by reading level.

This convergence journalism course incorporates print and broadcast techniques to produce multimedia pieces for the web. This includes multimedia storytelling incorporating writing, digital photography,

shooting and editing video, and recording and editing sound. 54 lecture hours. CSU

COMM 280
Magazine Production Staff
3 Units **Grade Only**
Strongly Recommended: COMM 101.

A lecture/laboratory course in which the organization, formula, format, and production methods of magazines are studied and applied in the development of a college magazine. Activities include writing, editing, photography, art, layout, and production. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

Cooperative Education Courses

Cooperative Work Experience (Co-op Ed) links student learning in a Citrus College class to a job that relates to that class. The student, Citrus College instructor, and the worksite supervisor all work together to create learning objectives that the student must accomplish during the semester at their place of employment or training site. The job must pay at least minimum wage though students who volunteer at a nonprofit agency may also receive Co-op Ed credit. The student may enroll in one to four Co-op Ed units, which are determined by the number of hours they will work towards their learning objectives during the semester. Students enrolled in Co-op Ed courses may take classes for a letter grade or as Pass/No Pass. Approval is required prior to enrollment. For more information, contact Student Employment Services at (626) 914-8596.

Citrus College offers Co-op Ed courses in the following departments and disciplines.

The series 698 A, B, C, D courses are the Non-Profit Volunteer work ranging in units from 1 to 4.

The series 699 A, B, C, D courses are the Paid Work courses ranging in units from 1 to 4.

Administration of Justice - Contact department (626) 914-8860

AJ 698 A, B, C, D
AJ 699 A, B, C, D

Art, Photography, Theatre Arts - Contact department (626) 914-8580

ART 698 A, B, C, D
ART 699 A, B, C, D
PHTO 698 A, B, C, D
PHTO 699 A, B, C, D
THEA 698 A, C

Automotive Technology, Drafting, Electronics, Heating and Air Conditioning, Information Technology, Motorcycle Technology – Contact department (626) 852-6402

AUTO	698 A, B, C, D
AUTO	699 A, B, C, D
DRAF	698 A, B, C, D
DRAF	699 A, B, C, D
ELEC	698 A, B, C, D
ELEC	699 A, B, C, D
HEAT	698 A, B, C, D
HEAT	699 A, B, C, D
IT	698 B, D
IT	699 B, D
MTRK	698 A, B, C, D
MTRK	699 A, B, C, D

Biology, Chemistry, Earth Science – Contact department (626) 914-8789

BIOL	698 A, B, C, D
BIOL	699 A, B, C, D
CHEM	698 A, B, C, D
CHEM	699 A, B, C, D
ESCI	698 A, B, C, D
ESCI	699 A, B, C, D
FOR	698 A, B, C, D
FOR	699 A, B, C, D

Dental Assisting – Contact department (626) 914-8791

DENT	698 A, B, C, D
DENT	699 A, B, C, D

Health Occupations – Contact department (626) 914-8791

HEAL	698 A, B, C, D
HEAL	699 A, B, C, D

Office Technology and Computer Applications – Contact department (626) 914-8807

OFF	698 A, B, C, D
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Cosmetology
(Cosmetology Department)

Upon successful completion of 1600 clock hours of applied preparation in lecture and lab experience in Cosmetology 141, 151, 161A, 161B, 172A, 172B, 178A, 178B, 181A, 181B, 182, 183, the student will be issued 57 units of credit and will be eligible to take the State Board of Cosmetology examination to become a licensed cosmetologist. Citrus College also offers advanced courses for licensed cosmetologists and barbers, skin care, and cosmetology instructor training.

Cosmetology Courses

COS 140
Introduction to Cosmetology
12 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is the introductory course for students majoring in cosmetology. The course includes the exploration of a variety of subjects including sculpting, styling, facials, manicuring, hair coloring, chemical texturizing and practical experience in cosmetology. 162 lecture hours, 162 lab hours.

COS 141
Introduction to Cosmetology
12 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is the introductory course for students majoring in cosmetology. The course includes the exploration of a variety of subjects including hair sculpting, hairstyling, facials, manicuring, hair coloring, chemical texturizing and practical experience in cosmetology. 144 lecture hours, 144 lab hours.

COS 151
Salon Success
4 Units **Grade Only**
Prerequisite: COS 140 or COS 141
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A continuation of the study of professional ethics, client building skills and State Board rules and regulations from Cosmetology 141. Lecture, demonstration and practical experience in the following areas: communication, character building, goal setting, client retention and public safety. 40 lecture hours, 104 lab hours.

COS 152
Beginning Chemical Hair Reformation
4.5 Units **Grade Only**
Prerequisite: COS 140 or COS 141.

A continuation of the science and theory of professional hair sculpting, chemical reformation and procedures introduced in COS 140. Lectures, demonstrations, and practical experience in the following areas: permanent waving, chemical straightening, chemistry of products, and the proper use of professional implements. 45 lecture hours, 117 lab hours.

COS 153
Advanced Chemical Reformation of the Hair
4.5 Units **Grade Only**
Prerequisite: COS 152 or 172A.
A continuation of the science and theory

of professional haircutting, permanent waving techniques and procedures introduced in COS 152. Lectures, demonstrations, and practical experience in the following areas: hair reformation, trichology, scalp and chemical procedures and treatments. 45 lecture hours, 117 lab hours.

COS 154
Beginning Hair Coloring
4.5 Units **Grade Only**
Prerequisite: COS 140 or COS 141.

A continuation of the science and theory of professional hair coloring techniques and procedures introduced in COS 140. Lectures, demonstrations, and practical experience in the following areas: chemistry of products and hair analysis. 45 lecture hours, 117 lab hours.

COS 155
Advanced Hair Coloring
4.5 Units **Grade Only**
Prerequisite: COS 154 or COS 161A.

A continuation of the science, theory, professional hair coloring techniques, and procedures introduced in COS 154. Lectures, demonstrations, and practical experience in the following areas: tinting procedures, bleaching procedures, specialized color application, and corrective hair color. 45 lecture hours, 117 lab hours.

COS 156
Beginning Manicuring
4.5 Units **Grade Only**
Prerequisite: COS 140 or COS 141.

A continuation and expansion of manicuring, pedicuring techniques and procedures for the professional cosmetologist that were introduced in COS 140. 45 lecture hours, 117 lab hours.

COS 157
Advanced Manicuring
4.5 Units **Grade Only**
Prerequisite: COS 156 or COS 183.

A continuation of the science and theory of professional manicuring techniques and procedures introduced in COS 156. Lectures, demonstrations, and practical experience in the following areas: bacteriology, sterilization, and California state laws governing the practice of cosmetology. 45 lecture hours, 117 lab hours.

COS 158
Beginning Restructuring of the Hair
4.5 Units **Grade Only**
Prerequisite: COS 140 or COS 141.

A continuation of the science and theory of professional hairstyling techniques and procedures completed in COS 140. Lectures, demonstrations and practical experience in the following areas: wet hair styling, thermal styling, hair sculpting, safety, and disinfecting. 45 lecture hours, 117 lab hours.

COS 159
Advanced Physical Restructuring of the Hair
4.5 Units **Grade Only**
Prerequisite: COS 158 or COS 172A.
A continuation of the science and theory of professional hairstyling techniques and procedures introduced in COS 158. Lectures, demonstrations, and practical experience in the following areas: anatomy and theory of scalp massage, scalp treatments with electrical modalities and light therapy, and identifying diseases and disorders of the scalp. 45 lecture hours, 117 lab hours.

COS 161A
Hair Color I
4 Units **Grade Only**
Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional hair coloring techniques and procedures introduced in COS 141. Lectures, demonstrations, and practical experience in the following areas: chemistry of products, hair analysis, practical application and design principles. Part one of a two-part course. 40 lecture hours, 104 lab hours.

COS 161B
Hair Color II
4 Units **Grade Only**
Prerequisite: COS 154 or COS 161A.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science, theory, professional hair coloring techniques, and procedures following COS 161A. Lectures, demonstrations, and practical experience in the following areas: advanced hair coloring procedures, advanced lightening procedures, specialized color application, and corrective hair color. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 163
Beginning Facial Treatment, Skin Care and Make-up
4.5 Units **Grade Only**
Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional skin care, make-up techniques and procedures introduced in COS 140. Lectures, demonstrations and practical experience in the following areas: anatomy and physiology of the face and neck, diseases and disorders of the skin, chemistry of skin care products, electricity and electrical modalities for facials and skin care, light therapy for skin care, and facial treatments including packs and masks. 45 lecture hours, 117 lab hours.

COS 164
Advanced Facial Treatments, Skin Care, and Make-up
4.5 Units **Grade Only**
Prerequisite: COS 163 or COS 182.
A continuation of the science and theory of professional skin care, make-up techniques, and procedures introduced in COS 163. Lectures, demonstrations, and practical experience in the following areas: hair removal by waxing and tweezing; daytime, evening, and corrective make-up. 45 lecture hours, 117 lab hours.

COS 165
Esthetician I
10 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
An introductory course of skin care treatments, hair removal, make-up application, anatomy and physiology. Disease and disorders of the skin, cosmetic chemistry, electrical current and modalities for skin care and disinfecting. There is a materials fee associated with the class. Part one of a two-part course. 90 lecture hours, 270 lab hours.

COS 166
Esthetician II
10 Units **Grade Only**
Prerequisite: COS 165 or COS 199A.
This course completes the two-part esthetician program. It includes advanced and customized facial treatments, make-up artistry and color coordination, and product knowledge. There is a materials fee associated with the class. 90 lecture hours, 270 lab hours.

COS 167
Cosmetology Licensure Preparation
2 Units **Pass/No Pass Only**
Prerequisite: Minimum 1000 course hours earned or valid cosmetology license from another state.
This course will focus on preparing students for the California State Board Examination. Emphasis on consumer safety, sanitary practice, state board skills and procedures. This course may be taken four times. 36 lecture hours, 36 lab hours.

COS 172A
Hair Design I
4 Units **Grade Only**
Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional hairstyling techniques and procedures completed in COS 141. Lectures, demonstrations and practical experience in the following areas: wet hairstyling, thermal styling and long hair design. Part one of a two-part course. 40 lecture hours, 104 lab hours.

COS 172B
Hair Design II
4 Units **Grade Only**
Prerequisite: COS 158 or COS 172A .
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional hairstyling techniques and procedures following COS 172A. Lectures, demonstrations, and practical experience in the following areas: Hair care, scalp diseases/ disorders, advanced wet/thermal hairstyling, advanced long hair design, and creative artistry in hair design. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 178A
Chemical Texturizing I
4 Units **Grade Only**
Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in Cosmetology 141. Lectures,

demonstrations, and practical experience in the following areas: permanent waving, chemical hair straightening and the chemistry of products. Part one of a two-part course. 40 lecture hours, 104 lab hours.

COS 178B
Chemical Texturizing II
4 Units **Grade Only**
Prerequisite: COS 152 or COS 178A .
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in COS 178A. Lectures, demonstrations and practical experience in the following areas: hair reformation, trichology, scalp and chemical procedures and treatments. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 180
Advanced Haircutting
1 Unit **Grade or P/NP**
Prerequisite: Completion 1600 hours in cosmetology program or a licensed cosmetologist.
The advanced haircutting class is designed to introduce new methods and continually changing techniques in hair sculpting to the experienced, professional cosmetologist and barber. There will be an emphasis on clipper-cutting, razor-cutting and trend cutting. This course may be taken four times. 27 lecture hours, 9 lab hours. Lab Fees: \$200.

COS 181A**Hair sculpting I****4 Units****Grade Only**

Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A continuation of the theory of professional haircutting techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: Ladies haircutting, male haircutting and clipper cutting. Part one of a two-part course. 40 lecture hours, 104 lab hours.

COS 181B**Hair sculpting II****4 Units****Grade Only**

Prerequisite: COS 181A: Hair sculpting I.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A continuation of the theory of professional haircutting techniques and procedures following COS 181A. Lectures, demonstrations and practical experience continue with advanced techniques applied in ladies and male haircutting. Part two of a two-part course. 40 lecture hours, 104 lab hours.

COS 182**Skincare****4 Units****Grade Only**

Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A continuation of the science and theory of professional skincare, make-up techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: anatomy and physiology, skin diseases and disorder, hair removal, electricity and electrical modalities for facials/ skincare and facial treatments. 40 lecture hours, 104 lab hours.

COS 183**Nail Care****4 Units****Grade Only**

Prerequisite: COS 140 or COS 141.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A continuation of the science and theory of professional nail care techniques and procedures introduced in Cosmetology 141. Lectures, demonstrations, and practical experience in the following areas: natural nail care, artificial nail enhancements, products, procedures and safety measures for the professional cosmetologist. 40 lecture hours, 104 lab hours.

COS 199A**Esthetician I****8 Units****Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course of skin care treatments, hair removal, make-up application, anatomy and physiology. This course also includes massage techniques, sanitation and disinfecting, disease and disorders of the skin, cosmetic chemistry, electrical current and modalities for skin care. The course focuses on the basic skills required to achieve a State Board License. Phase one of a three-part course. 72 lecture hours, 216 lab hours.

COS 199B**Esthetician II****8 Units****Grade Only**

Prerequisite: COS 165 or COS 199A.

This course is phase two of the esthetician program. A basic course which includes state board preparedness, customized facial treatments, the psychology of services, make-up artistry, color coordination, product knowledge and aromatherapy. Must be completed before entering phase three, "Salon Fundamentals". 72 lecture hours, 216 lab hours.

COS 199C**Esthetician Salon Success****3 Units****Grade Only**

Prerequisite: COS 199B.

This is the final phase in the completion of the esthetician program. This course provides students with basic salon management skills, sales, and client retention, as well as information required to pass the licensed exams. Students will focus on personal satisfaction and skilled habits to ensure success in the industry. 36 lecture hours, 54 lab hours.

COS 274**Cosmetology Advanced Hairstyling Workshop****2 Units****Grade Only**

Prerequisite: Completion of the Cosmetology program or its equivalent.

An advanced class designed to introduce new methods and continually changing techniques to the experienced, professional cosmetologist. 36 lecture hours, 36 lab hours.

Counseling (Counseling Department)

The Counseling Instructional Program offers specially designed curriculum to meet the broad psycho-social needs of our diverse student population. Counseling courses provide a gateway to understanding the programs and services offered at

Citrus College. Course curriculum addresses the issues of transition to college, educational planning, college success, transfer, career exploration and decision making, student responsibility, and educational goal setting.

Counseling Courses

COUN 154**Peer Counseling and Advising****1 Unit****Pass No Pass Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to provide ongoing training for Citrus College peer advisors. Primary concepts are covered in modular form including advising principles; mentoring; guidance theories; client confidentiality; employee practices; methods of communication including listening skills and problem solving strategies. Students will become familiar with Citrus College student support services for referral purposes. Students demonstrate mastery of concepts presented in modules through discussion of work-site issues and role play. Offered for Pass/No Pass grading only. This course may be taken three times. 18 lecture hours.

COUN 156**College Planning Today for Tomorrow****1 Unit****Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in helping students transition to college life. Students will receive practical information about college services, effective study habits, and individual educational planning. Emphasis is on college and career decisions as catalysts for growth. 18 lecture hours. CSU

COUN 158**Transfer Planning****1 Unit****Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in helping students transfer successfully to a four-year university. Students will receive information about educational options in California, college majors, transfer assistance, ASSIST (web based student transfer information), California Articulation Number System (CANS), college and universities fees and tuition, California State University/University of California/California independent systems, general education certification options, Inter-segmental General Education Transfer Curriculum (IGETC) curriculum, questions often asked about IGETC, filing periods for college/university applica-

tions, financial aid, scholarships, and transfer terminology. 18 lecture hours. CSU

COUN 159
On Course to Success
3 Units **Grade or P/NP**

This course will assist students in identifying the unique strengths they possess that will lead toward achieving academic mastery, career, and life success. Students will learn how they learn best and utilize this information to build a personal success plan. Through an exploration and critical analysis of the components of a successful student, students will analyze their reasons for attending college and develop a "success plan" that addresses maintaining motivation, goal setting, improving communication, and maintaining self-esteem, detailing how they may overcome obstacles. 54 lecture hours.

COUN 160
Strategies for College Success
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to give students the opportunity to create and change their habits and vision in order to have a rich, full, and rewarding scholastic life through adoption of positive attitude and critical thinking techniques. The course integrates the intellectual, physiological, social, and psychological aspects of being a college student. Learning strategies will be introduced that can be immediately and continuously applied so that students leave the course with confidence, enthusiasm, and a passion to succeed. 54 lecture hours. CSU;UC

Career Education Courses

Career counseling courses are designed for students who wish to explore in-depth their aptitudes, work experience, and decision-making skills. Career options, job trends, career goals and alternatives are studied in terms of the student's educational and vocational needs, special abilities, and previous training.

COUN 142
Careers In Teaching
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is an exploratory course designed for students considering a career in teaching. Through career assessments, personal exploration, occupational research and the study of contemporary work issues students will increase their understanding of

the teaching profession. Students will be required to complete a field based assignment requiring observation and or assistance in a school or community agency. 18 lecture hours. CSU

COUN 143
Career Exploration
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will provide students with career exploration techniques. Emphasis will be placed on selecting a career based on self-examination of interests, personality, skills, and values through assessment inventories, skill exercises, and career research. 18 lecture hours. CSU

COUN 145
Career/Life Planning
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Through personal exploration, occupational research and the study of contemporary work issues, students will increase their understanding of the relationship of the individual to the economic community and develop individual career plans. Maximum credit allowed for Career Education 143 and 145 is three units. 54 lecture hours. CSU

Computer Science & Information Systems (Business Department)

The CSIS program includes microcomputer applications, programming languages, and computer support of business organizations. The program offers state-of-the-art training in the use of business application software to prepare students for professional careers, transfer study, and/or personal use. Students receive individual hands-on training in laboratory facilities. Faculty work closely with industry and business to ensure relevant training.

Computer Science and Information Systems Courses (See Also Accounting, Business, & Office Technology & Computer Applications)

CSIS 105
Introduction to Windows and Personal Computers
2 Units **Grade or P/NP**
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers computer literacy con-

cepts. It provides an introduction to the personal computer and the Windows operating system. The course prepares students to operate a computer using the Windows interface. It is designed for students with no previous computer experience. This course may be taken two times. 36 lecture hours, 18 lab hours. CSU

CSIS 107
Fundamentals of Information Technology
4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers essential concepts of information technology. Topics include computer hardware, software, programming concepts, network/Internet technologies, ethics and emerging technologies. 72 lecture hours. CSU;UC

CSIS 109
Network and Computer Security
4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the CompTIA Security+ certification tests. This course may be taken four times. This course is the same as IT 109. 54 lecture hours, 54 lab hours.

CSIS 111
Introduction to Programming Concepts and Design
4 Units **Grade or P/NP**
Prerequisite: CSIS 107.
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio will be used to help illustrate programming concepts common to modern high-level programming languages. This course may be taken three times. Students must wait two years before retaking this course. 72 lecture hours. CSU;UC

CSIS 119**Introduction to Web Programming
3 Units Grade or P/NP**

Prerequisite: CSIS 105 or CSIS 107.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides students with the skills to design and publish Web pages using the latest version of XHTML. Students will also work with XML and JavaScript to create custom Web pages for personal and professional environments. 54 lecture hours. CSU

CSIS 130**Microcomputer Applications I
4 Units Grade or P/NP**

Recommended: CSIS 105 or 107.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will use the personal computer to learn an office suite, such as Microsoft Office, that includes word processing, electronic spreadsheets, database management systems, multimedia/presentation graphics, and personal information management. Prepares students to take the Microsoft Office User Specialist certification exams. This course may be taken three times. 72 lecture hours. CSU;UC

CSIS 140**Java Programming with Game Applications
4 Units Grade or P/NP**

Prerequisite: CSIS 111.

An introduction to the Java programming language that allows students to design and solve a wide range of applications. The materials to be covered will include Java applications, controls structures, arrays, and object-based/oriented programming, and an introduction to Java applets. Some of the applications involve creating graphical games using the Java programming language. Some of the applications involve creating games using the Java programming language. Emphasis is placed on good design techniques and documentation. This course may be taken three times. 72 lecture hours. CSU;UC

CSIS 141**Java Script
4 Units Grade Only**

Prerequisites: CSIS 110 and 119.

This course offers an introduction to the Java Script language that allows students to design and solve a wide range of web applications. The materials to be covered will include variables, functions, objects, events, data types, operators, decision making with control structure and statements, windows and frames, forms, dynamic HTML and animation, cookies and security, debugging Java Script, server side Java Script, database connectivity, working with Java Applets and embedded

data. Emphasis is placed on good design techniques and documentation. This course may be taken three times. 72 lecture hours, 18 lab hours. CSU

CSIS 150**Web Development with Dreamweaver
3 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. **Also, CSIS 105.**

This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Dreamweaver. Topics include: the Dreamweaver interface, CSS, HTML integration, images, tables, forms, and layers. 54 lecture hours.

CSIS 154**Web Development with Fireworks
2 Units Grade or P/NP**

Prerequisite: CSIS 105 or CSIS 107.
Strongly Recommended: CSIS 150 and READ 099 if required by reading placement exam or if required by reading level.

This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Fireworks to create, modify, and export graphic objects to Web design software such as Dreamweaver. Topics include: the Fireworks workspace, vector/bitmap graphics, text enhancements, and building interactive graphics. 36 lecture hours.

CSIS 156**Web Development with Flash
2 Units Grade or P/NP**

Prerequisite: CSIS 105 or CSIS 107.
Strongly Recommended: CSIS 150 and READ 099 if required by reading placement exam or if required by reading level.

This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Flash to create media-rich elements that integrate with Web pages. Topics include: the Flash interface, creating animations, adding buttons, actions, and sounds. 36 lecture hours.

CSIS 162**Electronic Spreadsheets Using Microsoft Excel
3 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides comprehensive instruction in the use of spreadsheet software to create, edit, store, retrieve, and print spreadsheets and charts. Topics include completing calculations, making de-

terminations, organizing and graphing data, developing professional looking reports, publishing organized data to the Web, and accessing real-time data from Web sites. 54 lecture hours. CSU

CSIS 166**Introduction of PowerPoint
2 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to a presentation graphics program that lets you create a high-quality presentation that is both interesting to the audience and effective in its ability to convey your message. Using a computer you can create a simple overhead transparency or a sophisticated on-screen electronic display. This course may be taken two times. 36 lecture hours, 18 lab hours.

CSIS 167**Introduction to MS Publisher
2 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to desktop publishing concepts using MS Publisher. MS Publisher allows you to create and design newsletters, brochures, calendars, and flyers. Using a computer you can create high-quality publications suitable for course work, professional purposes, and personal use. The course also covers concepts of publishing on the World Wide Web. This course may be taken two times. 36 lecture hours.

CSIS 168**Designing Web Sites
3 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. **Also, CSIS 105.**

An introduction to using Web design software to plan, create, and maintain a Web site. This course explores the basic features of MS Expression Web, Microsoft's Web authoring software. Topics covered include: the Expression Web interface, images, links, tables, forms, frames, and style sheets. This course may be taken two times. 54 lecture hours.

CSIS 175**Introduction to Access
2 Units Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Using "hands-on" microcomputers, develop the skills necessary to define, create, and maintain a fully programmed database system using Microsoft Access in a Windows environment. The course covers concepts, design, tables, reports, menus, analysis of data management requirements, and design of a database to

meet those needs. This course may be taken four times. 36 lecture hours, 18 lab hours.

CSIS 190
Introduction to Flash Game Programming
4 Units **Grade Only**
Prerequisites: *CSIS 111 and MATH 029 or instructor approval.*
Strongly recommended: *READ 099 if required by reading placement exam or if required by reading level.*
Introduction to Macromedia® Flash - MX2004 game programming using Action Script 2. Those areas of Flash - MX 2004 proficiency needed for programming games are also introduced in this course. This course may be taken three times. 72 lecture hours. CSU

CSIS 225
Object Oriented Programming with C++
4 Units **Grade Only**
Prerequisites: *MATH 150 and CSIS 111.*
This course is a second semester course in object-oriented programming using the C++ language. Problem analysis and algorithm design will serve as the foundation for the use of functions, control structures, user-defined data types, arrays, searching and sorting algorithms, use of streams and external files, structures, data abstraction, and software development methods. 54 lecture hours, 54 lab hours. CSU;UC

CSIS 230
Microcomputer Applications II
4 Units **Grade or P/NP**
Prerequisite: *CSIS 130.*
A second course in the use of microcomputers for personal and professional productivity. Covers the advantages of using integrated software over a single application. Practical experience in the integration of Windows programs and the World Wide Web/HTML. This course may be taken two times. 72 lecture hours, 18 lab hours. CSU

Dance (Performing Arts Department)

Dance classes at Citrus prepares you for many opportunities in the world of dance. Classes are offered in jazz dance, classical ballet, tap dance and modern dance.

Dance Courses (See Also Music)

DANC 102
History of Dance
3 Units **Grade or P/NP**
A survey of dance from tribal, ethnic, and folk dance forms including Renaissance Europe, Louis XIV, the Golden Age of Ballet, and the Diaghilev Era, concluding with 20th Century dance including jazz, African-American influences, neo-classic ballet, modern, hip-hop and world dance. 54 lecture hours. CSU;UC

DANC 130
Alignment and Correctives
2 Units **Grade or P/NP**
Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level.*
A class for non-dancers and dancers seeking an introduction to the structural aspects that affect movement and gait. Lectures include biomechanical and neuromuscular aspects of the body. Practical hours include in-depth study of Pilates mat techniques and Gyro-kinesis. This course may be taken four times. 36 lecture hours, 18 lab hours. CSU;UC

DANC 158
Hip-Hop Dance Techniques
1 Unit **Grade or P/NP**
A survey of the basic skills of hip-hop dance technique and history. This class provides basic technique, warm-ups, stretching, body control and stamina progressing to hip-hop dance combinations. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU

DANC 159
Beginning Tap
1 Unit **Grade or P/NP**
Designed to instruct students in the dance technique of beginning tap. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

DANC 160
Jazz Dance Techniques
1 Unit **Grade or P/NP**
A survey of the basic skills in jazz movement. This class provides basic technique and practice, warm-ups, stretching, body control, and the building of stamina and strength progressing to dance combinations. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 161
Beginning Modern Dance
1 Unit **Grade or P/NP**
The study of dance through varied individual and group experiences in Beginning Modern Dance, with emphasis on increasing the individual's ability to use movement creatively. This course may be taken four

times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 36 lab hours. CSU;UC

DANC 162
Beginning Ballet
1 Unit **Grade or P/NP**
Designed to instruct students in the dance technique of classical ballet. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 172
Composition in Group Forms
2 Units **Grade or P/NP**
Prerequisites: *DANC 160, 161 or DANC 162 or Audition.*
A practical course guiding the student in choreographic structure, designed specifically for group forms. All movement exploration will be on the basis of ballet, jazz or modern dance technique. This course may be taken four times. 18 lecture hours, 54 lab hours. CSU;UC

DANC 259
Intermediate Tap I
1 Unit **Grade or P/NP**
Prerequisite: *DANC 159 or Audition.*
Designed to instruct students in the intermediate dance technique of tap. More study of the positions and combinations of tap. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

DANC 260
Intermediate Jazz Dance I
1 Unit **Grade or P/NP**
Prerequisite: *DANC 160 or Audition.*
Development of the techniques necessary to execute modern jazz dance. This class is designed to further develop the techniques of the student with intermediate instruction in stretching, body control, strength, stamina more challenging dance combinations and progression of personal style. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 261
Intermediate Modern Dance I
1 Unit **Grade or P/NP**
Prerequisite: *DANC 161 or Audition.*
A continuing study of modern dance with more in depth instruction in the technique and creative elements of the dance form, including individual and group in-class projects. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 262
Intermediate Ballet I
1 Unit **Grade or P/NP**
Prerequisite: *DANC 162 or Audition.*
Designed to instruct students in the intermediate dance technique of classical bal-

let. A more in-depth study of the positions and combinations of ballet. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 263
Dance for Musical Theatre
4 Units **Grade or P/NP**

Co-Requisite: MUS 116 or MUS 126.
This course is an in-depth performance experience focusing on styles of body movement for Musical Theatre stage productions. The fundamentals of dance will be reviewed, including basic ballet positions and exercises and basics in tap. Concepts of the history of dance in musical stage will also be explored. This course may be taken four times. 36 lecture hours, 18 lab hours, 90 lab hours arranged. CSU;UC

DANC 264
Popular Dance Techniques
4 Units **Grade or P/NP**

Co-Requisite: MUS 116 or MUS 126.
This course is an in-depth performance experience focusing on popular dance styles. The fundamentals of dance will be reviewed, and a focus on modern dance styles and techniques will be explored. Concepts of commercial dance techniques for videos and pop stage will also be studied. This course may be taken four times. 36 lecture hours, 18 lab hours, 90 lab hours arranged. CSU;UC

DANC 265
Musical Staging: Rehearsal and Performance
2 Units **Grade or P/NP**

Co-Requisite: DANC 263.
Special rehearsal and public performance above and beyond normal class expectations. This course may be taken four times. 18 lecture hours, 36 lab hours, 18 lab hours arranged. CSU;UC

DANC 266
Pop Dance: Rehearsal and Performance
2 Units **Grade or P/NP**

Co-Requisite: DANC 264.
Special rehearsal and public performance above and beyond normal class expectations. This course may be taken four times. 18 lecture hours, 36 lab hours, 18 lab hours arranged. CSU;UC

DANC 269
Intermediate Tap II
1 Unit **Grade or P/NP**

Prerequisite: DANC 259 or Audition.
A more in-depth study of students' abilities and techniques in tap dance. Increased emphasis on style, speed and accuracy of sounds. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

DANC 270
Intermediate Jazz Dance II
1 Unit **Grade or P/NP**

Prerequisite: DANC 260 or Audition.
Designed to instruct students in the advanced techniques of advanced jazz dance for the purpose of performance. More challenging dance combinations and instruction in individual body control, strength, stamina, style, and line. This course may be taken four times. 18 lecture hours, 18 lab hours, 18 lab hours arranged. CSU;UC

DANC 271
Intermediate Modern Dance II
1 Unit **Grade or P/NP**

Prerequisite: DANC 261 or Audition.
A more advanced study of modern dance through varied individual and group experiences. Includes more complicated exercises and combinations with emphasis on the individual's use of creative movement. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 272
Intermediate Ballet II
1 Unit **Grade or P/NP**

Prerequisite: DANC 262 or Audition.
A course in the advanced techniques of classical ballet for the purpose of performance. A more in-depth study of movement vocabulary centered on individual style, strength, and technique. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 279
Advanced Tap I
1 Unit **Grade or P/NP**

Prerequisite: DANC 269 or Audition.
An advanced study of students' abilities and techniques in tap dance. Increased emphasis on style, speed and accuracy of sounds. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

DANC 281
Advanced Jazz Dance I
1 Unit **Grade or P/NP**

Prerequisite: DANC 270 or Audition.
Designed to instruct students in the advanced techniques of advanced jazz dance for the purpose of performance. More challenging dance combinations and instruction in individual body control, strength, stamina, style, and line. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

DANC 289
Dance Concert Production
3 Units **Grade or P/NP**

Prerequisite: Audition.
Live dance concert production. Students will function as dance members in a fully

produced dance production. The course is also open to all qualified students who wish to participate in production. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU;UC

Dental Assisting
(Health Sciences Department)

The Dental Assisting Program prepares students for the California State Registered Dental Assistant Examination. This program is accredited by the American

Dental Association Commission on Accreditation and the California State Board of Dental Examiners. Upon completion, the graduate is eligible to sit for the California State Registered Dental Assistant Examination and the National Certification Examination. Must maintain a minimum grade of "C" in all dental courses.

Dental Assisting Courses

DENT 100
Dental Assisting Basics
2.5 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will give the beginning dental assisting student a foundational knowledge of basic terminology, structures of the oral cavity, tooth morphology, tissues of the teeth, charting, and oral health care. The student will be oriented to the profession of dentistry in terms of governing bodies, professional organizations, ethics and jurisprudence. 45 lecture hours.

DENT 101
Chairside Assisting
3 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

This lecture/lab course provides preclinical instruction in four-handed dentistry techniques and prepares the student to assist a dentist at chair side. Content includes: the use and care of dental equipment, oral evacuation, instrument transfer, tray setups, infection control, preparation of anesthetic syringe, rubber dam, tofflemire matrix, cavity preparation, and rotary and hand instruments. Emphasis is placed on the responsibilities of a chair side dental assistant during general restorative procedures. 45 lecture hours, 45 lab hours, 27 lab hours arranged.

DENT 102
Dental Materials
2.5 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

This course presents the basic physical and technical aspects of dental materials utilized in restorative and laboratory dental procedures. It is designed to develop the manipulative skills necessary for the application of these materials. 36 lecture hours, 36 lab hours, 18 lab hours arranged.

DENT 110
Introduction to Dental Assisting
1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Open to anyone wanting to explore the possibilities of a career in dental assisting and/or dentistry. This class emphasizes introductory information and skills common to a dental assistant. Includes active learning and hands-on activities. 18 lecture hours, 9 lab hours.

DENT 121
Preclinical Dental Science
2 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

The study of the basic structure and function of the human anatomy as it relates to the oral cavity. This course provides instruction on oral histology and embryology, head and neck anatomy, and oral pathology with emphasis on their relationship to and affect on dental treatment. 36 lecture hours.

DENT 122
Infection Control in the Dental Office
1.5 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

This course is designed to prepare the dental assistant in the prevention of disease transmission in the work environment. Emphasis is placed on knowledge of the infectious disease process, use of barriers, sterilization, disinfection, OSHA requirements, and the concept of standard precautions. 27 lecture hours.

DENT 123
Preventive Dental Health
2 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

Fundamental skills involved in assessing the dental patient's health, the affect on dental treatment and the adjustments to dental treatment needed to protect the physical welfare of the patient. This class provides instruction on health history, vital signs, recognition and management of medical emergencies, nutrition, and pharmacology. 36 lecture hours.

DENT 124
Dental Specialties
2 Units **Grade Only**
Prerequisite: DENT 100 or Co-Requisite: DENT 100.

The scope of this course includes instruction in the fundamental principals, instrumentation and procedures of various dental specialties with emphasis on the role of the auxiliary in each specialty. 36 lecture hours.

DENT 125
Dental Practice Management
2 Units **Grade Only**
Prerequisites: DENT 100 and DENT 101 and/or DENT 102.

This course is designed to provide instruction in the application of skills and responsibilities of a business assistant in a dental practice. Fundamentals in basic bookkeeping procedures, communication skills, appointment scheduling, dental insurance, records management, employment preparation, and banking/financial procedures. Instruction includes integration of material through lecture, practical experience and the use of computers. 36 lecture hours, 9 lab hours.

DENT 201
Dental Radiology
2 Units **Grade Only**
Prerequisites: DENT 100 and DENT 101 and DENT 102.

This course encompasses the preclinical and clinical instruction in radiation safety, exposing, processing and mounting of radiographs utilizing traditional and digital methods. Student must be 18 years of age or older. 18 lecture hours, 54 lab hours.

DENT 202
Registered Dental Assistant
4 Units **Grade Only**
Prerequisites: DENT 101, DENT 102, DENT 121 and DENT 122 and DENT 123 and DENT 124.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides preclinical and, where appropriate, clinical practice in functions delegated to the dental assistant and the registered dental assistant under the jurisdiction of the California Dental Practice Act as specified by the rules and regulations of the Board of Dental Examiners. Emphasis is placed on the practical application of each task, competency of performance, demonstrated concern for patient safety, and an acquired background knowledge to support each duty. 60 lecture hours, 81 lab hours.

DENT 203
Dental Practical Experience
5.5 Units **Pass No Pass Only**
Prerequisites: DENT 122, DENT 124, DENT 201.

This course provides the student with the opportunity for application and performance of acquired knowledge and skills while assuming the role of a chair side assistant in a dental school setting or private dental office. Offered for Pass/No Pass Only. 300 lab hours.

DENT 204
RDA Clinical Procedures
1 Units **Grade Only**
Prerequisites: DENT 101, DENT 102, DENT 121, DENT 122, DENT 123, and DENT 124.

This course covers those duties requiring clinical competence for the RDA: coronal polishing, pit & fissure sealants and mouth mirror inspection. 12 lecture hours, 28 lab hours.

Drafting Technology (Technology & Engineering Department)

This drafting program provides coursework for majors such as engineering and architecture. In addition to the transfer program, a number of certificates are available.

Drafting Courses

DRAF 100
Beginning Computer Aided Design (CAD)
3 Units **Grade Only**
A basic course for students who have had no previous Computer Aided Design (CAD). 36 lecture hours, 72 lab hours. CSU

DRAF 101
CAD (Computer Aided Design) and Mechanical Drawing
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A basic course for pre-engineering pre-architecture, and others who have had no previous Computer Aided Design (CAD) or mechanical drawing. 36 lecture hours, 72 lab hours. CSU

DRAF 102
Technical Illustration
2.5 Units **Grade Only**
Strongly Recommended: DRAF 101 or DRAF 100.

A basic course in pictorial drawing including freehand, mechanical, and CAD con-

structions in pictorial drawing. 36 lecture hours, 36 lab hours. CSU

DRAF 103
Advanced Mechanical Drawing
3 Units **Grade Only**

Prerequisite: *DRAF 101 or 1 year high school mechanical drafting.*
Advanced techniques and the solution of drafting problems through a variety of practical applications rather than the theories of projection. Advanced problems in instrumental drawing, lettering, geometric construction, multi-view projections, sections, and auxiliary view. 36 lecture hours, 72 lab hours. CSU

DRAF 109
Intermediate Computer Aided Drafting (CAD)
2.5 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level. Also, DRAF 101 or One year of high school drafting.*
This course provides an overview of the application of microcomputers to the production of technical drawings and other computer graphics. Lectures, discussions, audiovisuals, outside reading and supervised computer laboratory projects are among the means employed to develop a comprehensive introduction to CAD. 36 lecture hours, 36 lab hours. CSU

DRAF 111
Advanced Computer Aided Design and Drafting - Mechanical (CADD)
2.5 Units **Grade Only**

Strongly Recommended: *DRAF 109 or DRAF 160 or ENGR 125.*
Presents advanced Computer Aided Design and Drafting techniques used in the production of mechanical drawings, 3-D design and the management of AutoCAD. 36 lecture hours, 36 lab hours. CSU

DRAF 149
Introduction to Portfolio Preparation
3 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level. Also, DRAF 151, DRAF 152, or ART 111, and ART 120.*
A course for students to develop individual student portfolios. Development of portfolios will include architectural Computer Generated Imagery (CGI), multimedia, other design technology techniques, free hand drawing, 2D - 3D art and rendering. Students will develop career goals and knowledge required to understand various design professions for interviews in industry. 36 lecture hours, 54 lab hours. CSU

DRAF 150
Introduction to Architecture
3 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level.*
A non-drafting course for students interested in exploring the fields of architecture and architectural technology and developing a working knowledge of the planning and design of a residence. 54 lecture hours. CSU

DRAF 151
Basic Floor Plans and Functional Design
3 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level. Also, DRAF 101 or DRAF 150.*
Introduction to Architectural graphic communication skills including: traditional pencil drawing and state of the art computer drawing. Analyze and apply Architectural theory, principles and techniques in orthographic presentation drawings including floor plans, foundations, sections, design problems, lettering, line work, drawing to scale, symbols, notes, dimensions and three dimensional model making. Examination of presentation types and how they can be utilized to communicate architectural ideas. 36 lecture hours, 72 lab hours. CSU

DRAF 152
Basic Residential Structure Design and Drafting
3 Units **Grade Only**

Prerequisites: *DRAF 150 and DRAF 151 or*
Co-Requisite: *DRAF 151.*
Architectural drafting including: details of construction, framing of walls, ceilings and roofs, interior and exterior elevations, and cabinet details. Drafting techniques for completing a set of working drawings. 36 lecture hours, 72 lab hours. CSU

DRAF 153
Advanced Residential Detailing and Design
3 Units **Grade Only**

Prerequisite: *DRAF 152.*
Design and detail drawing of two story and split-level homes. Special requirements for sloping lots, under house garages, and basements. Architectural styles typical of larger homes. 36 lecture hours, 72 lab hours. CSU

DRAF 154
Commercial and Industrial Buildings
3 Units **Grade Only**

Prerequisite: *DRAF 152.*
Designing and detailing small business and manufacturing buildings. Code requirements, special materials, and func-

tional requirements. 36 lecture hours, 72 lab hours. CSU

DRAF 158
Perspective
2 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level.*
Projected control of one, and two-point perspective drawings, exterior and interior projects, shading and rendering of presentation drawings. 18 lecture hours, 54 lab hours. CSU

DRAF 160
Introduction to Architectural CAD
2 Units **Grade or P/NP**

Prerequisite: *DRAF 109.*
An introductory course in which the CAD system is applied to special problems in architecture. Techniques in creating symbol libraries are explored. Proper and efficient methods of producing plans, sections, details and elevations are introduced along with dimensioning fundamentals and sheet layout. 36 lecture hours, 36 lab hours. CSU

DRAF 161
Residential CAD
2 Units **Grade or P/NP**

Prerequisite: *DRAF 160.*
An advanced architectural course using CAD for the design and development of residential floor plans and foundations, site plans, electrical plans, plumbing, climate control, sections, details, elevations and notes. 36 lecture hours, 36 lab hours. CSU

DRAF 189
History and Theory of Design
3 Units **Grade Only**

Strongly Recommended: *READ 099 if required by reading placement exam or if required by reading level.*
A non-drafting course for students interested in exploring the fields of Computer Generated Imagery (CGI) and engineering design and developing a working knowledge of the Computer Generated Imagery and engineering design. 54 lecture hours. CSU

DRAF 190
Computer Imaging Practices for Industry and Architecture
3 Units **Grade or P/NP**

An advanced practical projects course using Alias/Wave front Maya, 3D Studio Max, and other current industry standard software designed to complete the student's preparation for employment. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

DRAF 198
Special Problems in Drafting
1 Unit **Grade or P/NP**

Prerequisite: DRAF 152.

Supervised projects in specialized drafting topics, perspective, sheet metal drafting, map drafting or model making to meet the needs of students preparing portfolios or for specific job training. This course may be taken three times. 54 lab hours.

DRAF 290
Learning Maya Introduction
3 Units **Grade Only**

Introduction to modeling, animat and rendering using Maya with a focus on establishing a working knowledge of Maya's animation tools and techniques, this course builds a solid foundation for developing character animation and special effects sequences. The course uses the two different sections of the Learning Maya tutorial book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours.

DRAF 291
Learning Maya Transitions
3 Units **Grade Only**

Prerequisite: DRAF 190 or DRAF 290.

Teaches how to model, animate and render using Maya Transitions with a focus on establishing a working knowledge of Maya's animation tools and techniques, this course builds a solid foundation for developing character animation and special effects sequences. The course uses the two different sections of the Learning Maya Transitions tutorial book to provide the student with an overview of the Maya environment and how it can be applied to their work. 36 lecture hours, 54 lab hours.

DRAF 294
Maya Rendering 4.5
3 Units **Grade Only**

Prerequisite: DRAF 290.

Teaches the final stage in the 3D Computer Graphics production process by examining the techniques and tools that will allow students to become proficient and effective using the Maya renderer. 36 lecture hours, 54 lab hours.

DRAF 296
Maya/Accelerator
3 Units **Grade Only**

Prerequisite: DRAF 290.

Advanced concepts in modeling, character rigging, and animation, dynamics, and rendering in an intense, information-packed semester. Students will be taken through advanced workflows prepared by Alias/Wave front product experts, and through key highlights from Alias/Wave front's Certified Training Offerings. 36 lecture hours, 54 lab hours.

Disabled Student Programs & Services
(Counseling Department)

Specialized instructional support opportunities designed for students with disabilities. The student will become empowered through the use of individualized learning materials, technology, and compensatory strategies intended to lessen the impact of the disability for achieving success in college.

Disabled Student Courses

DSPS 075
Individualized Assessment of Learning Strengths and Weaknesses
0.5 Units **Pass/No Pass Only**

This course is designed for the student with special learning needs who may have a specific learning disability. Individual assessment of learning strengths and weaknesses will be completed to determine eligibility for services and to assist with early intervention in basic skills, learning strategies, study skills, and educational planning. Offered for Pass/No Pass grading only. Hours are arranged. NOTE: THE UNITS EARNED FOR THE COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 9 lecture hours.

DSPS 085
E-Text Basics
1 Unit **Pass/No Pass Only**

The course is designed to teach students with text disabilities to access and effectively utilize electronic text (e-text). Offered for Pass/No Pass grading only. 18 lecture hours.

DSPS 090
Empowerment for Students with Disabilities
2 Units **Pass/No Pass Only**

A course designed to facilitate successful transition to the collegiate level for new students with disabilities. Upon completion of this course, students will be better prepared to assert their needs, make decisions, and practice coping strategies pertinent to their unique situation. This course is offered Pass/No Pass only. 36 lecture hours.

DSPS 103L
Technical Assistance Lab: Adaptive Computer Technology
1 Unit **Pass/No Pass Only**

Specialized instruction designed for students with disabilities who require adaptive computer technologies to effectively access the computer. Students will become empowered through the use of individualized learning materials, adaptive computer technology, and compensatory

strategies intended to lessen the impact of the disability for achieving success in college. This course is offered Pass/No Pass only. The course can be taken four times for credit. 54 lab hours.

Earth Science
(Physical Sciences Department)

Earth science consists of geology and physical oceanography, both of which investigate the materials and phenomena associated with the development and evolution of planet Earth.

Geology Courses

ESCI 106
Earth and Space Science for Educators
4 Units **Grade Only**

Prerequisite: MATH 130 or **Co-Requisite:** MATH 130.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of Earth and space science and the interrelationships among these disciplines. Emphasis will be placed upon the comparative study of the Earth and the other planets, their formation and evolution, Earth's atmosphere, hydrosphere, and lithosphere; the dynamics of each, and how they are interrelated. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. 54 lecture hours, 54 lab hours. CSU;UC

ESCI 120
Physical Geology
4 Units **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
An elementary study of the Earth, particularly of its materials and structure, and of the physical and chemical processes at work upon and within it. 54 lecture hours, 54 lab hours. CSU;UC

ESCI 121
Historical Geology
4 Units **Grade Only**

Prerequisite: ESCI 120.
The geological events of Earth history from the origin of our planet to the present time. Includes a summary of the evolution of the plants and animals of the Earth and a study of the fossils of the various periods of geologic time. Field excursions will be arranged. A transportation

fee will be charged. 54 lecture hours, 54 lab hours. CSU;UC

ESCI 122

Geology: Earth History

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the study of the Earth's geological history, from the origin of our planet to the present. Topics include the history and development of life, processes of fossilization, the origin of coal and petroleum, and plate tectonics with emphasis on North America. 54 lecture hours. CSU;UC

ESCI 124

Environmental Geology

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Application of geologic principles to selected environmental problems. Topics include earthquakes, volcanism, mass movements, climate change, floods, coastal processes, mass extinctions, meteorite impacts, and population growth. 54 lecture hours. CSU;UC

ESCI 125

California Geology

4 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the Geologic materials, processes, and history in the State of California. Primary emphasis is on its unique rocks and minerals, its structure, and of the physical and chemical processes which have and will continue to shape it. Course will include three weekend trips to selected locals in California. A transportation/activities fee will be charged. This course may be taken two times. 54 lecture hours, 54 lab hours. CSU;UC

ESCI 140

The Geology of Death Valley National Park

2 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the geologic materials and processes in Death Valley National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, aeolian processes, and tectonic features. Includes a weekend trip to the region. A transportation/activities fee may be charged. 36 lecture hours. CSU

ESCI 141

The Geology of Yosemite National Park

2 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the geologic materials and processes in Yosemite National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, igneous processes, glacial processes, and tectonic features. Includes a weekend trip to the region. A transportation/activities fee may be charged. 36 lecture hours. CSU

ESCI 142

The Geology of Channel Islands National Park

2 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the geologic materials and processes in Channel Islands National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, coastal processes, and tectonic features. Includes a weekend trip to the region. A transportation/activities fee may be charged. 36 lecture hours. CSU

ESCI 143

The Geology of Joshua Tree National Park

2 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the geologic materials and processes in Joshua Tree National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, desert processes, and tectonic features. Includes a weekend trip to the region. A transportation/activities fee may be charged. 36 lecture hours. CSU

ESCI 145

The Geology of Sequoia National Park

2 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the geologic materials and processes in Sequoia National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, glacial processes, and tectonic features. Includes a weekend trip to the region. A trans-

portation/activities fee may be charged. 36 lecture hours. CSU

ESCI 146

The Geology of Kings Canyon National Park

2 Units

Grade or P/NP

A study of the geologic materials and processes in Kings Canyon National Park. The primary emphasis is on the unique geomorphology and tectonic history of the park. Course also includes the study of regional minerals and rocks, igneous processes, glacial processes and tectonic features. A transportation/activities fee may be charged. May include a backpacking trip to the region with strenuous physical activity. 36 lecture hours. CSU

Geography Courses

ESCI 118

Physical Geography

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the basic physical elements of geography; maps, seasons and time, weather, climate, soils, natural vegetation, and land forms, and their relationships and distribution upon the face of the earth. 54 lecture hours. CSU;UC

ESCI 180

Introduction to Geographic Information Systems

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction GIS course that will teach the theory and use of GIS software in a number of fields including business, resource management, Earth Sciences, and urban planning. Recommended for anyone using spatial data in their profession. 36 lecture hours, 90 lab hours. CSU;UC

Oceanography Courses

ESCI 130

Physical Oceanography

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of marine geology and topography, physical processes within the marine environment, such as waves and currents, tides, sea-floor spreading, marine provinces, marine sediments, and environmental relationships. 54 lecture hours. CSU;UC

Economics (Social Sciences Department)

Economics is a social science that studies how resources are allocated to produce goods and services. In macroeconomics, the topics include economics resources, business organization, government expenditures and taxation, money and banking, national income determination, business cycles, and fiscal policy. In microeconomics, the topics include price determination, economic analysis of the firm, distribution of income, labor and unions, international economics, and economic growth.

Economics Courses

ECON 100
Survey of Economics
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is a survey of economics course. It is designed as a beginning economics class. It involves laying the basic principles of economic theory on both the macro and micro levels and showing how the principles can be applied to analyze current economic issues such as national health care, outsourcing, gas prices, the health of the economy, immigration. 54 lecture hours. CSU;UC

ECON 101
Principles of Economics
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

An introductory course that focuses on aggregate economic analysis. Topics include market systems; economic cycles including recession, unemployment and inflation; national income accounts; macroeconomic equilibrium; money and financial institutions; monetary and fiscal policy; and international trade and finance. 54 lecture hours. CSU;UC

ECON 101H
Principles of Economics - Honors
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

A macro economics course that focuses on aggregate economic analysis and its applications. Topics include: theory of market systems; economic cycles including recession, unemployment and inflation; national income accounts; macroeconomic equilibrium; money and financial institutions; monetary and fiscal policy; and international trade and finance. It also tackles the

application of the theory to different economic issues like power of business in the energy market, outsourcing and unemployment, lending practices among financial institutions and its effects on the real estate market, the budget deficit, the trade deficit, national health care proposals, and immigration. Students are expected to participate at an honors level which includes research of the application cases, analysis of issues, and strong critical thinking and writing skills to evaluate current policies and generate optimal solutions. 54 lecture hours. CSU;UC

ECON 102
Principles of Economics
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

Microeconomics. An introductory course that focuses on the decision making from the viewpoint of the individual consumer, worker, and firm. Emphasis is on the price system, allocation of resources and income, supply and demand analysis, structure of the American industry, and applications to current economic policy and problems. 54 lecture hours. CSU;UC

Electronics (Technology & Engineering Department)

The classes in the Electronics Program are designed to prepare students for transfer to four-year institutions or gain employment as technicians in electronics and related fields. Due to rapid changes in electronics technologies, the program also offers continuing opportunities to enhance and upgrade job skills. The program's articulation agreements allow students majoring in electronics to transfer into the electrical computer engineering program in both public and private institutions. Additionally, through the Associate of Science Degree, students are prepared for transfer into selected four-year California State University's general electronic engineering, manufacturing, and related technology programs.

Electronics Courses

ELEC 101
Electronics Fundamentals
4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers the fundamentals of D.C. circuits. The following topics are emphasized: Ohm's Law, power sources, capacitance, Kirchhoff's Laws, and Norton's

and Thevenin's theorems. Arithmetic and algebraic analysis of D.C. circuits using scientific calculators. ELEC 201 may be taken concurrently. 54 lecture hours, 54 lab hours. CSU

ELEC 102
Electronics Communications
4 Units **Grade or P/NP**
Prerequisite: ELEC 101.
Strongly Recommended: Eligible for MATH 130.

This course covers the fundamentals of A.C. circuits. The following topics are stressed: magnetism, reactance, impedance, resonance, transformers, filters, and polyphase systems. 54 lecture hours, 54 lab hours. CSU

ELEC 120
Introduction to Computer Technology
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Introductory course in computer technology. This course is designed to expose the student to the basic principles of computers and networking. Topics covered: basic parts of computers, differences between Macs and PCs, file compression, streaming audio and video, zip drives, basic maintenance of computers, and basic network theories. Recommended for the recording arts technology student. This course may be taken two times. 36 lecture hours, 54 lab hours.

ELEC 201
Digital Electronics
4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers the principles of digital computer logic circuit technology. Course study includes: logic gates, Boolean algebra, flip-flops, arithmetic circuits, counters, registers, memory, microprocessor structure, and analog-digital interface. ELEC 101 may be taken concurrently. 54 lecture hours, 54 lab hours.

ELEC 202
Solid State Devices
4 Units **Grade Only**
Prerequisite: ELEC 101.

The study of semiconductor solid-state and linear integrated circuit theory with the following devices: diodes, bipolar transistors, field effect transistors, operational amplifiers, times, optoelectronics, thyristors, with an introduction to lasers. In the laboratory the student will conduct experiments using electronic test equipment with discrete devices, including linear integrated circuits. 54 lecture hours, 54 lab hours.

Emergency Management (Health Sciences Department)

Emergency Management Courses

EMER 162
Principles of Emergency Management
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an introduction to the principles of Emergency Management and Disaster Planning. Topics covered include; terrorist profiles, trends in terrorism, the emergency operations plan, response consideration to chemical and biological incidents and components of the emergency management system. 54 lecture hours.

EMER 163
Terrorism and Emergency Management
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an instruction to terrorism and the emergency management of terrorist types of acts. Topics covered include; concepts of emergency management, event management, local plans and resources, general biological terrorism concepts, medical consequences and planning guidelines. This course will present a foundation of the threat and explore mitigation techniques. 54 lecture hours.

EMER 164
Managing Hazardous Materials Incidents
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an introduction to hazardous materials and management. Topics covered include; recognizing what hazardous materials are, the problems they pose; and how to begin a safe and effective response to a Haz Mat incident. Upon successful completion of the course students are eligible to sit for the California State Specialized Training Institute (CSTI) certification examination. 54 lecture hours.

EMER 166
Emergency Planning and Methodology
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an instruction to emergency planning and methodology. The course provides a study of pre-plan

requirements, hazards and resource assessments, vulnerability analysis, methodology of planning, and public policy considerations. 54 lecture hours.

EMER 167
Practical Applications of Emergency Management
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides principles and techniques involved in developing an emergency management plan for a public or private sector organization. Explore the processes involved in data gathering, hazard identification and vulnerability assessment, and plan development. Students will prepare a draft of an emergency management plan for an organization of their choice. 54 lecture hours.

EMER 168
Emergency Operations Center (EOC) Management
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The course provides an instruction to design, initiate, and operate an Emergency Operations Center (EOC). The course provides a study of determining the location for an EOC, the physical set-up of the EOC, and the management of EOC operations both in emergency and non-emergent situations. 54 lecture hours.

English (Language Arts Department)

The English program offers courses from the pre-collegiate through the college sophomore levels to provide students with a comprehensive foundation for writing, textual analysis, and critical thinking which will help them to succeed in composition and literature courses, as well as enter a satisfying occupation or profession. The English program reflects the diversity found in the college population and fosters a strong liberal arts background through rigorous instruction in literature and its cultural contexts, including history, philosophy, politics and religion. Courses are sequenced appropriately to lead to an A.A. degree or to university transfer: English 030, 040 and 100 are demonstrably effective prerequisites for English 101 and 101H, and these courses are in turn demonstrably effective prerequisites for the advanced writing courses (102, 103, 103H, 104).

English Courses

ENGL 030
Writing Skills I
3 Units **Grade or P/NP**
Strongly Recommended: READ 019.
Placement is based on multiple assessment measures or successful completion of non-credit course work below ENGL 030.

This course focuses intensively on English fundamentals including grammar, spelling, prewriting strategies, and basic paragraph development. This course is designed primarily for those students preparing for ENGL 040. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 14 lab hours arranged.

ENGL 040
Writing Skills II
3 Units **Grade or P/NP**
Strongly Recommended: READ 019.
Placement is based on multiple assessment measures or successful completion of ENGL 030.

A review of English fundamentals including grammar, spelling, vocabulary, and standard usage with emphasis on punctuation, basic writing skills, and paragraph development leading to essay composition. This course is designed primarily for those students preparing for ENGL100. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 14 lab hours arranged.

ENGL 100
Fundamentals of Composition
3 Units **Grade or P/NP**
Placement is based on multiple assessment measures or successful completion of ENGL 040.

An introduction to the fundamental techniques and rhetorical devices necessary to effective expository prose, with emphasis on paragraph development, organization, and revision leading to the multiple paragraph essay. This course is designed primarily for students preparing for ENGL 101. 54 lecture hours.

ENGL 101
Reading and Composition
3 Units **Grade Only**
Prerequisite: ENGL 100 or ESL 100 or placement is based on multiple assessment measures.

A college-level composition course emphasizing exposition, analysis, argument, and research techniques. Extensive writing practice based upon reading selections of culturally diverse fiction, non fiction and verse. 54 lecture hours. CSU;UC

ENGL 101H**Reading and Composition - Honors
3 Units** **Grade Only**

Prerequisite: ENGL 100 or Placement is based on multiple assessment measures.

An advanced college level course emphasizing exposition, analysis, evaluation, synthesis, argument, and research techniques. Extensive writing practice based upon reading culturally diverse short stories, novels, and related critical material. In addition, students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of fiction and non-fiction literary readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

ENGL 102**Introduction to Literature****3 Units** **Grade Only**

Prerequisite: ENGL 101 or ESL 101 or ENGL 101H.

Exploration of culturally diverse literary texts in multiple genres that express a variety of historical, geographical, and cultural perspectives. Development of critical thinking skills including analysis and interpretation leading to compositions in which cross-cultural awareness is emphasized. 54 lecture hours. CSU;UC

ENGL 103**Composition and Critical Thinking
3 Units** **Grade Only**

Prerequisite: ENGL 101 or ENGL 101H.

This course uses literature as a basis for the teaching of critical thinking and composition. The emphasis is upon the analysis of issues, problems, and situations represented in fiction, drama and poetry, and on the development of effective written arguments in support of the analysis. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU;UC

ENGL 103H**Composition and Critical Thinking - Honors****3 Units** **Grade Only**

Prerequisite: ENGL 101 or ENGL 101H.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This honors course uses literature as a basis for the teaching of in-depth critical thinking and advanced composition. The emphasis is upon the analysis of issues, problems, and situations represented in literature and on the development of effective written arguments in support of the analysis. Critical thinking skills are demonstrated through research papers, in-class presentations, and collaborative

exploration of material. Students are expected to demonstrate honors level work which includes strong critical thinking skills, thorough analysis of assigned readings, and presentation and leadership skills demonstrated through class participation. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU;UC

ENGL 104**Advanced Rhetoric: The Classical Essay****3 Units** **Grade Only**

Prerequisite: ENGL 101 or ENGL 101H.

In this course, students will develop critical thinking, writing, and research skills beyond the ENGL 101 level by examining and modeling complex classical methods of invention, arrangement, and style for writing assignments. Students will read and critically evaluate (for meaning, purpose, strategy and style) expository and argumentative essays from classical sources and multi-cultural perspectives. Students will test prejudices they hold, prove or disprove a hypothesis, evaluate the opinions of others, explain the effect of the media, and attempt to synthesize opposing arguments on an issue through critical thinking. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU;UC

ENGL 120**Introduction to Women's Literature
3 Units** **Grade Only**

Strongly Recommended: ENGL 101 or ENGL 101H.

This course emphasizes culturally diverse texts written by and about women. Using a variety of literary genres, including short fiction, novel, poetry, drama, and film, students will critically analyze cultural roles and images of women from a variety of theoretical perspectives. Students will explore the challenges women have faced, the biologically and socially constructed roles they have assumed and sometimes rejected, and the successes and accomplishments they have achieved in a predominantly patriarchal climate. 54 lecture hours. CSU

ENGL 210**Creative Writing I****3 Units** **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction and practice in various forms of creative expression such as short story, the novel, poetry, drama, and/or screenplay. Critical evaluation of professional and student writing. 54 lecture hours. CSU

ENGL 213**Horror Literature****3 Units** **Grade Only**

Prerequisite: ENGL 101 or ENGL 101H.
Strongly Recommended: READ 099 if

required by reading placement exam or if required by reading level. Also, ENGL 103.

An introduction to horror literature, this course is designed to give students an understanding of the application of literary analysis to horror literature. 54 lecture hours. CSU;UC

ENGL 213H**Horror Literature - Honors
3 Units** **Grade Only**

Prerequisite: ENGL 101 or ENGL 101H.

Strongly Recommended: ENGL 103 or ENGL 103H. Also, READ 099 if required by reading placement exam or if required by reading level.

This honors course is designed to give the student a knowledge and an appreciation of Horror literature, both fiction and non-fiction. Critical analysis of such works from various perspectives is exemplified through research and written analysis. Special emphasis is given to the quality of the impact on literature of selected classics. 54 lecture hours. CSU;UC

ENGL 251**Introduction to English Literature I
3 Units** **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Significant works of major British writers in historical perspective. First semester: Anglo-Saxon period through the eighteenth century with emphasis on Chaucer, Shakespeare, and Milton. 54 lecture hours. CSU

ENGL 252**Introduction to English Literature II
3 Units** **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Significant works of major British writers in historical perspective. Second semester: Nineteenth and twentieth centuries with emphasis on the Romantic period, the Victorian period, and the novel. 54 lecture hours. CSU;UC

ENGL 261**Introduction to U.S. American Literature I****3 Units** **Grade Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will explore the context and influence of American literature from the Colonial period to the Civil War. Students will examine specific literary works and their contributions to our personal and cultural context. 54 lecture hours. CSU;UC

ENGL 262**Introduction to U.S. American Literature II****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Students will explore the context and influence of American literature from the Civil War to the present. Students examine specific literary works and their contributions to our culture, the continuation of traditional themes and the emergence of new forms and themes. 54 lecture hours. CSU;UC

ENGL 271**Introduction to World Literature: Ancient - Early Modern****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

English 271 is the study of world literature in translation from the ancient world through the early modern period. This course emphasizes the development of literary expression and explores literature within the context of the culture and time in which works were written. This course examines the relationship between historical events and literary works and the impact of works on their age and ensuing eras. 54 lecture hours. CSU;UC

ENGL 272**Introduction to World Literature: 1600's through Twentieth Century****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

English 272 is the study of world literature in translation from the early modern period to the twentieth century. This course emphasizes the development of literary expression and explores literature within the context of the culture and time in which works were written. This course examines the relationship between historical events and literary works and the impact of works on their age and ensuing eras. 54 lecture hours. CSU;UC

ENGL 291**Film as Literature****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, ENGL 101 or ENGL 101H.**

An introduction to film as literature, this course is designed to give students an understanding of the application of literary analysis to film. 54 lecture hours. CSU;UC

ENGL 291H**Film as Literature - Honors****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, ENGL 101 or ENGL 101H and ENGL 103.**

This honors course is an introduction to film as literature, designed to give students an understanding of the application of literary analysis to film. Critical analysis of such works from various perspectives is exemplified through research and written analysis. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU;UC

ENGL 293**Children's Literature****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to give the student a knowledge and an appreciation of children's books, both fiction and non-fiction. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU;UC

ENGL 293H**Children's Literature - Honors****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, ENGL 101 or ENGL 101H or ENGL 103.**

This honors course is designed to give the student a knowledge and an appreciation of children's books, both fiction and non-fiction. Critical analysis of such works from various perspectives is exemplified through research and written analysis. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU;UC

ENGL 294**Introduction to Shakespeare****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An introduction to the works of William Shakespeare, including representative tragedies, comedies, and history plays. The course is designed to give students an understanding of the timelessness of Shakespeare's work. 54 lecture hours. CSU;UC

ENGL 296**Introduction to Folklore****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam****or if required by reading level.**

An introductory survey course which includes the basic concepts and vocabulary of traditional folklore and literature. This course emphasizes content, form, process, and context of traditional oral, customary, and material culture: speech and names, riddles, proverbs, folk tales, ballads, myths, customs, festivals, games, crafts, drama, food, etc. 54 lecture hours. CSU;UC

ENGL 298**Literature of the Bible****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Reading and discussion of selected books from English translations of the Old and New Testaments. Emphasis is on the religious, social, political ideas, literary qualities, and textual problems. 54 lecture hours. CSU;UC

Engineering Courses**(Technology & Engineering Department)**

The Engineering Program encompasses an area of study which includes basic and advanced engineering, design, management principles, CAD and Information Technology.

ENGR 122**Engineering Drawing****3 Units****Grade Only****Prerequisite: DRAF 101.**

Covers the application of the latest industrial design standards of orthographic projection and dimensioning specifications in the production of mechanical items and assemblies. 36 lecture hours, 72 lab hours. CSU;UC

ENGR 125**Introduction to Engineering CAD****2 Units****Grade Only**

An introduction to the use of computers in engineering drawing. This course includes hands-on use of IBM compatible hardware and AutoCAD software. 18 lecture hours, 54 lab hours. CSU;UC

ENGR 130**Engineering Graphics****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Covers the application of descriptive geometry in the solution of engineering problems. Presents the latest industrial design standards of orthographic projection, isometric sketching and dimensioning according to ANSI Y14.5 specifications. 54 lecture hours. CSU;UC

ENGR 135
Engineering Mechanics: Statics
3 Units **Grade Only**
Prerequisites: PHYS 201 and MATH 190.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A vectorial treatment of the principles of statics with application to engineering problems. Composition and resolution of co-planar and non-planar force systems; equilibrium of rigid bodies; distributed forces; forces in trusses; frames and cables; shear and bending moments in beams; moments of inertia of areas and bodies and graphical methods are used to model force systems and equilibrium conditions as applied to engineering statics problems. 54 lecture hours. CSU/UC

English As A Second Language (Language Arts Department)

The English as a Second Language (ESL) program serves both resident and international students by providing a comprehensive selection of courses for those with limited English proficiency. ESL courses help students improve their knowledge of English for both personal and academic purposes while providing a way for students gain access to advanced education. The ESL program also introduces international students to American culture and customs while developing the language skills they need to be successful in an American academic setting.

English As A Second Language Courses

ESL 020
English Language Skills II
3 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.

A course for low intermediate English language students providing practice in the four language skills-listening, speaking, reading and writing. Emphasis on production and comprehension of simple phrases, basic sentence construction, introductory reading skills and basic vocabulary. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours arranged.

ESL 022
Pronunciation and Conversation II
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.

A course for low-intermediate students in

comprehension and communication of spoken English. Emphasis is on building confidence in oral expression and refining pronunciation. Strongly recommended for students enrolled in ESL Level 2 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 024
Reading/Vocabulary II
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.

A reading and vocabulary course for low-intermediate ESL students. The course is designed to help students expand their vocabulary through oral and written practice and improve their reading comprehension. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 026
Grammar Fundamentals II
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.

A course for low-intermediate ESL students seeking to improve their grammatical accuracy in writing and speaking. Intensive review and practice of verb tenses, noun forms, adjectives, adverbs and modals, in a communicative context. One of three core courses in ESL Level 2. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours arranged.

ESL 030 English Language Skills III
3 Units **Grade or P/NP**
Prerequisite: ESL 020 or placement in ESL Level 3 on the Accuplacer assessment test .

Strongly Recommended: For students enrolled in ESL Level 3 core courses.

A course for intermediate English language students providing additional practice in the four language skills-listening, speaking, reading and writing. Emphasis on vocabulary building, developing fluency in speaking, increasing written sentence complexity and developing reading skills. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours arranged.

ESL 032
Pronunciation and Conversation III
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.

Strongly Recommended: For students enrolled in ESL level 3 core courses.

A course for intermediate students in comprehension and communication of spoken English. Emphasis is on building confidence in oral expression, refining pronunciation and reducing accent. Strongly recommended for students enrolled in ESL Level 3 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 034
Reading/Vocabulary III
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 024.

A reading and vocabulary course for intermediate ESL students. The course is designed to help students further expand vocabulary and reading skills. Emphasis is on building vocabulary through oral and written practice and improving reading comprehension. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 036
Grammar Fundamentals III
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 026.

A course for low-intermediate ESL students designed to improve their grammatical accuracy in spoken and written English. Intensive review and practice of meaning and use of syntactic structures such as verb tense, modals, noun and adjective forms, questions and negatives, passive voice, adverbs, and articles. One of three core courses in ESL Level 3. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours arranged.

ESL 040
English Language Skills IV
3 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 030.

Strongly Recommended: For students enrolled in ESL level 4 core courses.

This course parallels ENGL 040, preparing high-intermediate ESL students for ESL 100. It includes grammar, vocabulary, usage, and the writing skills of sentence and paragraph development. It also previews essay development and writing. One of three core courses in ESL Level 4.

NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 9 lab hours arranged.

ESL 042
Pronunciation and Conversation IV
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures.
Strongly Recommended: For students enrolled in ESL Level 4 core courses.

A course for high intermediate students in comprehension and communication of spoken English. Emphasis is on building confidence in oral expression, refining pronunciation and reducing accent. Strongly recommended for students enrolled in ESL Level 4 core courses. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 044
Reading/Vocabulary IV
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 034.

A reading and vocabulary course for high intermediate ESL students, designed to facilitate appropriate strategies for improving reading comprehension and developing vocabulary. Emphasis is on college-level vocabulary and reading skills. One of three core courses in ESL Level 4. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 046
Grammar Review I
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 036.
Strongly Recommended: For students enrolled in ESL Level 4 core courses.

A course for high-intermediate ESL students seeking to improve their grammatical accuracy in writing and speaking. Intensive review and oral and written practice of syntactic structures such as verb tense, passive voice gerunds and infinitives, and modal verbs. One of three core courses in ESL Level 4. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APP TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours, 9 lab hours arranged.

ESL 053
Bridge to College Literature
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or

successful completion of ESL level 4 core courses or ESL 100 or Co-Requisite(s): ESL 100.

This reading and vocabulary course is designed to help ESL students develop the skills necessary for analyzing and writing about literature in English at the college level. NOTE: THE UNITS FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 36 lecture hours.

ESL 054
Bridge to College Reading
2 Units **Grade or P/NP**
Prerequisite: Placement is based on multiple assessment measures or ESL 044.

A reading and vocabulary course for advanced ESL students designed to improve their skills in the reading and analysis of academic text. Students will develop reading comprehension and study strategies in preparation for college-level coursework. 36 lecture hours.

ESL 056
Grammar Review II
2 Units **Grade or P/NP**
Prerequisite: Multiple assessment measures or ESL 046.
Strongly Recommended: For students enrolled in ESL level 5 core courses.

Strongly recommended: For students enrolled in ESL level 5 core courses. A course for advanced ESL students seeking to improve their grammatical accuracy in writing and speaking. Further review and practice of complex syntactic structures such as verb forms, tag questions, conditional statements, reported speech, modals and phrasal verbs, and subordinate clauses. 36 lecture hours, 9 lab hours arranged.

ESL 070
American Idioms I
1 Unit **Grade or P/NP**
A course for intermediate ESL students. The course is designed to introduce to students the most frequently occurring idiomatic expressions, which in the colloquial speech often heard outside the classroom. NOTE: THE UNITS FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 18 lecture hours.

ESL 100
Fundamentals of Composition
4 Units **Grade or P/NP**
Prerequisite: ESL 040 or Placement in ESL Level 5 on the Accuplacer assessment test.

This course parallels ENGL 100, preparing high-intermediate and advanced ESL students for college-level writing. It provides a review of English fundamentals and

practice in critical thinking, paragraph development and essay writing with an emphasis on exposition. Continued practice in special writing problems common to second language learners. 72 lecture hours, 18 lab hours arranged. UC

ESL 101
Reading and Composition
3 Units **Grade Only**
Prerequisite: ESL 100 or Placement in ESL Level 6 on the Accuplacer assessment test.

A composition and reading course. Instruction and practice in expository writing and research techniques. The course content parallels ENGL 101, differing in that the reading is non-fiction. (see counselor regarding UC transferability). 54 lecture hours. CSU;UC

Energy Systems Technology (Public Service Department)

This degree program prepares students to work in a variety of building energy system professions. Core classes are taken by all students and pathways are designed to create mastery in specialty fields. Careers include design, installation, and maintenance of building systems.

EST 101
Introduction to Building Systems
1 Unit **Grade or P/NP**

This course is a basic overview of building systems. Topics include construction, bidding, operating systems, codes, heating and air conditioning, electrical and lighting, fire and life safety, plumbing, telecommunications, building automation, and sustainability. 18 lecture hours, 14 lab hours. CSU

EST 150
Green Building Systems Technology
3 Units **Grade or P/NP**

This course will explore the value of sustainability in building systems. Topics will include sources of energy, governmental regulations, green building certifications, construction management, and green material selection. 54 lecture hours, 16 lab hours. CSU

Wildland Resources and Forestry (Natural Sciences Department)

These courses provide forestry majors with introductory coursework. Those students who do not intend to transfer as forestry majors may take the courses for either direct vocational application or for general interest.

Wildland Resources and Forestry Courses

FOR 101

Introduction to Forestry

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Covers the relationship of forests to our national and local life. The various forest sciences and the uses of the forest including timber, water, recreation, grazing, and wildlife. The forest organizations: federal, state, county and private. 54 lecture hours. CSU;UC

FOR 102

Introduction to Forest Ecology

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A lecture course examining forest as a biological community, through which sustainability, biodiversity, ecosystem health and integrity, old growth, climate change, rain-forest, and clear cutting are evaluated. 54 lecture hours. CSU;UC

FOR 103

Plant Identification

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course examining plant identification with emphasis on wildland plants. Other topics include plant physiology, taxonomy, plant communities and plant adaptations. 36 lecture hours, 36 lab hours, 18 lab hours arranged. CSU;UC

FOR 104

Introduction to Outdoor Recreation

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Covers the historical development of recreation and the role of federal, state and local government in outdoor recreation. Other topics include economic impact, supply and demand, private enterprise, education, planning and management within the realm of recreation. 54 lecture hours. CSU

FOR 105

Wildland Fire Management

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to provide knowledge of the factors affecting fire behavior, fire control techniques and wild land fire prevention. Factors of topography, fuels and

weather will be included. 54 lecture hours. CSU

FOR 106

Principles of Wildlife Management and Ecology

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A lecture course examining wildlife management as a science, through which a brief history of wildlife management, ecosystems, population ecology, animal behavior, food and cover, wildlife diseases, predation, endangered species, economics of wildlife, and fisheries are discussed. 54 lecture hours. CSU;UC

French

(Foreign Languages Department)

The Foreign Languages Program offers four semesters of proficiency-based instruction in listening, speaking, reading and writing Spanish, French, German, and two semesters in Chinese and Japanese. Areas of study include beginning and intermediate vocabulary, grammar and syntax, pronunciation, and cultural understanding. The program combines classroom lectures, guided practice, and a variety of communicative activities in the target language, with individual work in the language lab, using various media.

French Courses

FREN 101

French I

5 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in elementary French grammar, vocabulary and pronunciation which focuses on understanding, speaking, reading, and writing simple French and serves as an introduction to the geography, history, and culture of the French-speaking world. 90 lecture hours. CSU;UC

FREN 102

French II

5 Units **Grade or P/NP**
Prerequisite: FREN 101 or Two years of high school French.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A further study of elementary French grammar and vocabulary which develops understanding, speaking, reading, and writing skills. Includes additional study of French culture. 90 lecture hours. CSU;UC

FREN 201

French III

5 Units

Grade Only

Prerequisite: FREN 102 or Three years of high school French.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course that introduces intermediate level French curriculum by presenting more advanced vocabulary, grammatical concepts, and cultural perspectives. Affords opportunities to apply communication skills to new social, professional, and travel contexts. Reading strategies and fundamentals of formal composition are introduced in conjunction with short, level-appropriate literary selections. 90 lecture hours. CSU;UC

FREN 202

French IV

5 Units

Grade or P/NP

Prerequisite: FREN 201 or Four years of high school French.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course emphasizing the development of effective skills for reading, understanding, and interpreting more advanced readings in French literature and culture. Extensive practice in oral and written expression at the intermediate-high level is provided. Grammatical concepts are thoroughly reviewed and expanded. 90 lecture hours. CSU;UC

German

(Foreign Languages Department)

"The Foreign Languages Program offers four semesters of proficiency-based instruction in listening, speaking, reading and writing Spanish, French, and German and two semesters in Chinese and Japanese."

GER 101

German I

5 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in elementary German grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing simple German and serves as an introduction to the geography, history, and culture of the German speaking world. 90 lecture hours. CSU;UC

GER 102

German II

5 Units

Grade or P/NP

Prerequisite(s): GER 101 or Two years high school German.
Strongly Recommended: READ 099 if required by reading placement exam

or if required by reading level.

A further study of elementary German grammar which develops understanding, speaking, reading and writing skills. Includes German culture. 90 lecture hours. CSU;UC

GER 201 German III

5 Units **Grade Only**
Prerequisite: GER 102 or Three years of high school German.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This intermediate level course is a study of the German language and culture. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in German. Reading strategies and fundamentals of formal composition are introduced in conjunction with short, level-appropriate literary selections. The class is largely conducted in German. 90 lecture hours. CSU;UC

GER 202 German IV

5 Units **Grade or P/NP**
Prerequisite: GER 201 or four years of high school German.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course emphasizing the development of effective skills for reading, understanding, and interpreting more advanced readings in German literature and culture. Extensive practice in oral and written expression at the intermediate-high level is provided. Grammatical concepts are thoroughly reviewed and expanded. 90 lecture hours. CSU;UC

Geography Courses

GEOG 102 Cultural Geography

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the patterns of human occupation and land use over the earth's surface and their co-relation with the natural environment. Particular emphasis will be given to agricultural and industrial economics, settlement patterns and population studies. 54 lecture hours. CSU;UC

Health Sciences

(Health Sciences Department)

The courses listed in this area are for those persons needing specialization in certain health care or health service occupations.

Health Sciences Courses

HEAL 100 Emergency Medical Services Career Preparation

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Health Occupations 100 is designed to provide the student with the knowledge and skills necessary to begin an entry-level career in Emergency Medical Services (EMS) and other allied health-related fields of patient care. This course provides beginning concepts of preparatory sciences directly related to the care of sick and injured persons. It also covers basic knowledge and skills necessary for American Heart Association (AHA) cardiopulmonary resuscitation (CPR) certification. Successful completion or concurrent enrollment in this course is required for enrollment into the Emergency Medical Technician Basic Program. 36 lecture hours, 54 lab hours.

HEAL 105 Hospital Unit Coordinator

5 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Provides information needed to perform secretarial or clerical duties on a nursing unit in a hospital setting. 72 lecture hours, 54 lab hours.

HEAL 156 Medical Terminology

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course emphasizes basic medical terminology; the spelling and meaning of commonly used prefixes, suffixes, word roots, and their combining forms; the terminology of anatomy and physiology; the health problems of the patient; and the physician's diagnosis and treatment. 54 lecture hours.

HEAL 157 Therapeutic Communications

1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will develop skills from holistic nursing's approach to therapeutic communication. It incorporates all five senses and includes the use of healing touch, aroma therapy, acupressure and other modalities to effectively communicate with the patient and others. 18 lecture hours.

HEAL 161 Emergency Medical Technician - Basic

7 Units **Grade Only**
Co-Prerequisite: HEAL 100.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The entry level course in emergency training for those involved in Emergency Medical Services. 108 lecture hours, 54 lab hours.

HEAL 264 Activity Coordinator

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course designed to meet state and national certification minimum requirements for activity leaders in skilled nursing care facilities. This course will also be helpful to anyone involved with care in an extended care facility. The lab hours for this course are fulfilled in clinical practice. 36 lecture hours, 54 lab hours.

HEAL 266 Activity and Social Service Documentation

2 Units **Grade Only**
Prerequisite: HEAL 264.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course meets the documentation requirements established by Omnibus Reconciliation Act (O.B.R.A.) for activity leaders in a skilled nursing facility. Emphasis upon federal and state regulations, data collection, care plan development, progress notes, including techniques for the client with special needs. The lab hours for this course are fulfilled in clinical practice. 18 lecture hours, 54 lab hours.

HEAL 267 Sub-Acute/Pediatrics Activity Leader

3 Units **Grade or P/NP**
An introductory course designed to meet state minimum requirements for activity leaders in sub-acute and pediatrics settings. This course will also be helpful to anyone involved with the care of pediatric clients in a home care setting and with volunteers working in an extended-care facility. 54 lecture hours, 27 lab hours.

Heating & Air Conditioning (Public Services Department)

This program is designed to prepare students who wish to seek employment in the heating and air conditioning industry or qualify for a more responsible position within the field. Courses prepare students for the EPA exam, which is required in this

industry. Employment as a technician is available in both the public and the private sectors.

Heating & Air Conditioning Courses

HEAT 170
Air Conditioning I
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Topics will include fundamentals of refrigeration theory and practice, introductory basic electricity, service of refrigeration equipment and accessories including compressors, condensers, evaporators, and metering devices. Review for EPA exam. 36 lecture hours, 18 lab hours.

HEAT 180
Air Conditioning II
2 Units **Grade or P/NP**
Strongly Recommended: HEAT 170.

A course in the fundamentals of air conditioning, including ventilation, evaporation, cycles, charging, air distribution, control, electrical circuiting, venting, duct systems and diffusions. Emphasis on equipment selection, balance, adjustment, maintenance and service. Prepares students for EPA examination. 36 lecture hours, 18 lab hours.

HEAT 182
Heating - Electrical and Gas
2 Units **Grade or P/NP**
Strongly Recommended: HEAT 170 or industry experience.

This course includes absorption systems, heating and humidifying, also heat load and heat pump systems, systems controls, boilers, and instruments. 36 lecture hours, 18 lab hours.

HEAT 184
Electricity for Heating and Air Conditioning
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level; HEAT 170 or industry experience.

A course in electricity covering the functions and operations of electric motors and controls used in mechanical systems. 36 lecture hours, 18 lab hours.

HEAT 186
Control Systems
2 Units **Grade or P/NP**
Strongly Recommended: HEAT 170.
An explanation of control system theory, control hardware, and both simple and complex control systems, supervisory controls and the use of computers in control systems. 36 lecture hours, 18 lab hours.

HEAT 188
Trouble Shooting Heating and Air Conditioning
2 Units **Grade or P/NP**
Strongly Recommended: HEAT 170.

This course covers the techniques to locate, identify, and correct the problems that occur in heating, air conditioning, and refrigeration systems, both domestic and commercial. 36 lecture hours, 18 lab hours.

History (Social Sciences Department)

History is a critical examination of the record of the human development, with attention to the changing social, political, economic and cultural structures. The program courses fulfill the requirement of the social science component of the A.A. degree. In addition, most of the courses transfer to CSU and UC systems as well as other major colleges and universities. The program has updated its course offerings by including honors courses, distance education courses, specialized courses on 20th century wars, and courses in regional histories.

History Courses

HIST 103
History of World Civilization up to 1500
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The course is a survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration will be given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus will be given to cultural evolutionary parallels and the diffusion of ideas through migration and trade on a global scale. College level reading is strongly advised. 54 lecture hours. CSU;UC

HIST 103H
History of World Civilization up to 1500 - Honors
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The course is a survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration will be given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus will be given to cultural evolutionary parallels and the diffusion of ideas through mi-

gration and trade on a global scale. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of historical readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

HIST 104
History of World Civilization since 1500
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The course offers a survey of world civilizations from 1500's regional isolation to modern-day globalism and its issues and problems. Consideration will be given to the political, economic, social, and intellectual forces present in the rise of the modern world. Particular focus will be given to the interrelatedness of historical events and on the comparisons of cultures and societies in a historical perspective. College level reading is strongly advised. 54 lecture hours. CSU;UC

HIST 105
History of World Civilization - The 20th Century
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A survey of the political, economic, social and intellectual forces present in the 20th century. An examination of the global conflicts and encounters that shaped ideas, institutions, and social structures on a global scale. 54 lecture hours. CSU;UC

HIST 107
History of the United States before 1877
3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100. READ 099 if required by reading placement exam or if required by reading level.

A survey of the political, economic and social development of the United States to 1876. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU;UC

HIST 107H
History of the United States before 1877 - Honors
3 Units **Grade Only**
Meet Honors Program entrance requirements that include eligibility for ENG 101 or completion of equivalent.

The course is a survey of the political, economic and social development of North American and the United States to 1876.

Students will evaluate the forces that work to create political, economic, diplomatic, and social change in colonial and early US history, along with how individuals, society and government respond to change. Students will also study the historiography of early American history by evaluating how historical interpretation has changed over the years. Students will also engage in their own historiography by creating an original research paper focused on early US history. The course is designed to create a stronger comprehension of early US history and strengthen analytical, critical thinking, community/global consciousness and communication skills. 54 lecture hours. CSU;UC

HIST 108
History of the United States Since 1877 - Honors

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100.
A survey of political, economic, diplomatic, and social development of the U. S. from 1876 to the present. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU;UC

HIST 108H
History of the United States Since 1877 - Honors

3 Units **Grade Only**
Strongly Recommended: ENGL 100.
A survey of political, economic, diplomatic, and social development of the U. S. from 1876 to the present along with a survey of American historiography and the varying interpretations of these developments. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU;UC

HIST 109
The World in Conflict - The 20th Century, a History

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A critical approach to the history of the 20th Century through major events and issues. 54 lecture hours. CSU;UC

HIST 110
A Survey History of Africa

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
A survey of political, economic, social, and cultural history of Africa from ancient period to the present. 54 lecture hours. CSU;UC

HIST 111
History of the African-Americans

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100.
An exploration of the cultural development and role of the African-American in the history of the United States from the African origin to the end of Reconstruction (1876). 54 lecture hours. CSU;UC

HIST 112
History of the African-Americans

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100.
An exploration of the cultural development and role of the African-American in the history of the United States from the end of the Reconstruction period (1876) to the present. 54 lecture hours. CSU;UC

HIST 120
British Life and Culture

3 Units **Pass/No Pass Only**
Strongly Recommended: ENGL 100.
An overview of British culture and civilization. Offered for Pass/No Pass grading only. (3 hrs/wk for 13 weeks plus 15 hrs. lectures in field). 54 lecture hours. CSU

HIST 127
Spanish Civilization

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
Spanish Civilization provides an interdisciplinary global understanding of the culture and history of Spain. The course critically analyzes contemporary Spanish society by examining the social and historical traditions and institutions that shape the Spanish way of life in the 20th century. This course is the same as SPAN 127. 54 lecture hours. CSU;UC

HIST 131
History of Latin America to 1825

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
The course is a survey of Latin American history from pre-Columbian times to the independence of Latin American lands. Special emphasis is given to the institutions of the past which have shaped the conditions of the emerging states. Relations between Latin American nations and the United States will also be explored. 54 lecture hours. CSU;UC

HIST 132
History of Modern Latin America

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
Students who have previously taken HIST 130 may not receive credit for this course.

The course is a survey of the social, economic and political history of Latin America from independence to the present. The legacy of colonialism will be considered as special emphasis is given to the development of cultural, political, and economic institutions. The course will give attention to the relationships between Latin America and the United States foreign policy. 54 lecture hours. CSU;UC

HIST 139
History of California

3 Units **Grade Only**
Strongly Recommended: ENGL 100 and READ 099 if required by reading placement exam or if required by reading level.
A survey of the political, social and economic development of the State of California from early Pre-Columbian American Indian communities and Spanish settlements to the present. 54 lecture hours. CSU;UC

HIST 140
History of the American West

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100.
A survey class of the region west of the Mississippi River designed to acquaint the students with the historical significance, events and personalities which made up this period. Primary emphasis will be on the 19th century. 54 lecture hours. CSU;UC

HIST 145
History of Mexico

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
This course will survey the history of Mexico from the pre-Columbian period through the Conquest and the struggle for independence, the Revolution of 1910 and Mexico's emerging role as a developing country. There will be a special emphasis placed on the growing economic and cultural intertwining of the American and Mexican people in the twentieth century. 54 lecture hours. CSU;UC

HIST 155
History of the Vietnam War

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100. Also, READ 099 if required by reading placement exam or if required by reading level.
An examination of the background and involvement of America in the Vietnam War. The course will primarily focus on the American involvement in Southeast Asia, but will also examine the origins of Vietnamese nationalism and the struggle for independence in Vietnam and its global implications and manifestations. A Cold

War framework developed early in the course will be utilized to understand U.S. involvement in the Vietnam War. The course will conclude with an assessment of the long term effects of the Vietnam War on American society and the rest of the world. 54 lecture hours. CSU;UC

HIST 222

History of World War II

3 Units **Grade or P/NP**

Strongly Recommended: ENGL 100. Also, READ 099 if required by reading placement exam or if required by reading level.

An examination of the circumstances and events leading to US entry into World War II. The course will focus on American involvement in World War II, but will also examine the systemic fracturing of the world order through the rise of Japanese, German, and Italian imperialism, assess the impact of the worldwide economic depression in the 1930s, military strategies and conduct, and analyze the impact of the war on the home front, as well as, the long-term effects on American policy and the world. 54 lecture hours. CSU;UC

Humanities

(Social Sciences Department)

The humanities seek to render an integrative and critical examination of the human achievements in art, literature, philosophy and music. This approach will broaden and enrich the students' appreciation of human values derived from the creative forces as expressed in the arts.

Courses offered in this curriculum meet general education and transfer requirements and may be applied to a major in humanities for an Associate in Arts degree.

Humanities Courses

HUM 101

Humanities

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The humanities are approached on four levels: art, music, literature, and philosophy. Includes the beginnings in Egypt, Babylonia, and Greece and proceeds chronologically to the Medieval period. 54 lecture hours. CSU;UC

HUM 101H

Humanities - Honors

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The humanities are approached on four levels: art, music, literature, and philosophy. Includes the beginnings in Egypt, Babylonia, and Greece and proceeds chronologically to the Medieval period. A critical in-depth reading of several primary sources is conducted in a discussion format. 54 lecture hours. CSU;UC

HUM 102

Humanities

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The humanistic studies are approached on four levels: art, music, literature, and philosophy. Begins with the Renaissance and moves to the mid19th century period. 54 lecture hours. CSU;UC

HUM 110

Humanities in the 20th Century

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is concerned with critical analysis of the arts and philosophy from the late 19th century to the contemporary period. 54 lecture hours. CSU;UC

HUM 111

Humanities through the Arts

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An approach to the Humanities through the study of seven major arts. Each art is considered from the perspective of historical development, elements, meaning, form, and critical evaluation. 54 lecture hours. CSU;UC

Information Technology

(Technology and Engineering Department)

The Information Technology courses prepare students for industry certifications from CompTIA; including: A+, Network+, Server+, and Security+.

Information Technology Courses

IT 104

PC Hardware and Maintenance

4 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will be of interest to computer technicians, field service and help desk support personnel, as well as, individuals interested in enhancing their technical

skills and knowledge of the PC system. The course starts from the basic entry level concepts, and quickly progresses into discussing advanced topics related to the PC industry. It will lay the foundation for attendees to prepare for the A+ certification tests or to pursue further training for the MCSE program. This course may be taken two times. 54 lecture hours. 54 lab hours.

IT 107

Network Technology

4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides information covering the LAN and WAN. Network topologies and protocols are presented. This course may be taken two times. 54 lecture hours, 54 lab hours.

IT 108

Networking Operating Systems

4 Units **Grade or P/NP**
Strongly Recommended: IT 107.

This course provides information covering the areas of network operating systems used on local and wide area networks (LANS and WANS), as well as popular server software. This course may be taken two times. 54 lecture hours, 54 lab hours.

IT 109

Network and Computer Security

4 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the CompTIA Security+ certification tests.

This course may be taken two times. This course is the same as CSIS 109. 54 lecture hours, 54 lab hours.

IT 110

Virtual Computing

4 Units **Grade or P/NP**

Covers the general concepts of virtual computing including server and desktop virtualization. Students will install and configure virtualization software from multiple vendors. This course will lay the foundation to take industry standard exams. This course may be taken two times. 54 lecture hours, 54 lab hours.

Japanese (Foreign Languages Department)

"The Foreign Languages Program offers four semesters of proficiency-based instruction in listening, speaking, reading and writing Spanish, French, and German and two semesters in Chinese and Japanese." Areas of study include beginning and intermediate vocabulary, grammar and syntax, pronunciation, and cultural understanding. The program combines classroom lectures, guides practice and a variety of communicative activities in the target language, with individual work in the language lab using various media.

Japanese Courses

JPN 101
Japanese I
5 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in elementary Japanese grammar, vocabulary, and pronunciation which aims at understanding, speaking, reading, and writing simple Japanese and serves as an introduction to Japanese geography and culture. This course may be taken three times. 90 lecture hours. CSU;UC

JPN 102
Japanese II
5 Units **Grade or P/NP**
Prerequisite: JPN 101 or Two years of high school Japanese.

A further study of elementary Japanese grammar and vocabulary which develops understanding, speaking, reading, and writing skills. Includes additional study of Japanese culture. This course may be taken three times. 90 lecture hours. CSU;UC

Library Technology (Library Department)

The library technology program trains students for paraprofessional work in school, academic, research, public and special libraries.

Library Technology Courses

LIBT 100
Information Literacy
1 Unit **Grade Only**

This course is an introduction to the use of information resources and technologies, emphasizing the principles of information competency. The course focuses on the organization of information and the research process. Students will be introduced to information resources available

in libraries and on the Internet, how to successfully identify, select, evaluate, and cite various types of information, and also the ethical and legal implications of information. 18 lecture hours. CSU;UC

LIBT 101
Introduction to Library Public Services
2 Units **Grade Only**

This course is an introduction to the field of library technology. It surveys the philosophy and techniques of providing direct service to patrons in all types of libraries. The course covers the history of books and libraries, the philosophy and techniques of providing public service in different kinds of libraries, career exploration and resume writing, as well as an overview of the many functions of the library technician, including the use of catalogs and classification systems, circulation systems, reference, interlibrary loan and others. 36 lecture hours.

LIBT 102
Reference Sources and Research Methods
3 Units **Grade or P/NP**

Students will survey and evaluate a broad range of reference materials in print and electronic formats. They will present a library orientation, practice the reference interview, prepare a bibliography, and formulate search strategies for answering user queries. 54 lecture hours. CSU

LIBT 201
Introduction to Cataloging
3 Units **Grade Only**

An introduction to the tasks involved with cataloging and processing library materials. Includes descriptive and subject cataloging, classification, processing, card filing and inventory. Covers AACR and MARC formats as well as the use of online data base services. 36 lecture hours, 54 lab hours.

LIBT 203
Introduction to Acquisitions
2 Units **Grade Only**

An introduction to the techniques of selecting, ordering and receiving library materials. Training includes: bibliographic verification, library bookkeeping, preparation of requisitions and purchase orders, and correspondence with vendors. Theory and practice on a variety of paraprofessional library services including binding and repair of books and the preservation of books. 36 lecture hours.

LIBT 290
Children's Library Services
2 Units **Grade Only**

This course provides an evaluation of library materials and services for children. Included in coursework is presentation of techniques for assisting in planning and

carrying out reading programs and story hours. 36 lecture hours.

LIBT 295
Audiovisual Services
3 Units **Grade Only**

A survey of the non-print media and equipment common to media centers, libraries, and learning centers. Emphasis on the operation of equipment and the care of materials. Includes acquisition of commercial materials, production of local presentations, copyright issues and ADA compliance. 36 lecture hours, 54 lab hours arranged.

Linguistics (Language Arts Department)

LING 101
Introduction to Language and Linguistics
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the study of language and the fundamental concepts in the field of linguistics. Emphasis is on the nature of human language, including differences and universalities of linguistic structures, and the analysis of the syntactic, morphological, and phonological systems of languages. First and second language acquisition and the role of language in society will also be explored. Does not meet Major Prep requirements for Anthropology. 54 lecture hours. CSU;UC

Mathematics (Mathematics Department)

The Mathematics Program offers courses ranging from arithmetic to differential equations.

Mathematics course offerings may be grouped in the following manner: High school equivalent courses: 017, 020, 029, 115, 130, 131, 150 (or 148 and 149), 151

Conventional college offerings: 160, 162, 165, 168, 169, 170, 175, 190, 191, 210, 211, 212 Business, biological science, social science: 162, 165

The department maintains a mathematics study center and computer lab where students can study and get help.

NOTE: All mathematics prerequisites must be completed with a minimum grade of "C". It is strongly recommended that all prerequisites be taken within two years prior to enrollment in the course.

Mathematics Courses

MATH 017

Basic Math and Study Skills

3 Units Grade Only

This course focuses on building whole number arithmetic skills to prepare students for MATH 020. This course covers arithmetic operations on whole numbers, a brief introduction to fractions and decimals, and incorporates study skills for success in mathematics courses. 54 lecture hours.

MATH 020

Arithmetic Fundamentals

3 Units Grade or P/NP

Prerequisite: Placement is based on multiple assessment measures or MATH 017.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications. 54 lecture hours.

MATH 029

Prealgebra

3 Units Grade or P/NP

Prerequisite: Placement is based on multiple assessment measures including cut-scores or MATH 020.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to prepare a student for Elementary Algebra. Topics include a review of arithmetic, a study of signed numbers, an introduction to fundamental algebraic concepts, solving equations, and solving applied problems. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours, 20 lab hours.

MATH 115

Business Mathematics

3 Units Grade or P/NP

Prerequisite: Placement is based on multiple assessment measures including cut-scores or MATH 029.

Mathematics to solve typical business problems including banking, discounts, markups, payroll, simple and compound interest, annuities, sinking funds, buying, financial reports, depreciation, inventory, taxes, insurance, stocks, and statistics. Computer assignments using Excel (or a similar application) will be used to cover many of the course topics. 36 lecture hours, 90 lab hours.

MATH 130

Elementary Algebra

4 Units Grade or P/NP

Prerequisite: Placement is based on multiple assessment measures including cut-scores or MATH 029.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Fundamental operations with polynomials and rational expressions, products and factoring, linear and quadratic equations in one variable, inequalities, exponents, radicals, graphing linear equations, systems of equations, applications, and introduction to functions. 90 lecture hours.

MATH 131

Plane Geometry

4 Units Grade or P/NP

Prerequisite: MATH 130.

A first course in geometry. Elementary logic, properties of geometric figures, parallel and perpendicular lines, ratio and proportion, congruence, area, and volume. 72 lecture hours.

MATH 148

Intermediate Algebra I

2.5 Units Grade or P/NP

Prerequisite: MATH 130.

Presents the first half of a two-semester alternative to intermediate algebra. (MATH 150). Real number properties, first degree equations and inequalities, absolute value equations and inequalities, applications, polynomials, the binomial theorem, factoring, rational expressions, exponents, radicals, and complex numbers. NOTE: BOTH MATH 148 AND MATH 149 MUST BE COMPLETED TO SATISFY ANY PREREQUISITE REQUIRING (MATH 150). MAY NOT BE TAKEN CONCURRENTLY WITH MATH 150. STUDENTS MAY NOT EARN MORE THAN FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150. 54 lecture hours.

MATH 149

Intermediate Algebra II

2.5 Units Grade or P/NP

Prerequisite: MATH 148.

Presents the second half of a two-semester course in intermediate algebra. This course enables students to complete Intermediate Algebra (MATH 150) at a slower pace. Quadratic equations, applications, formulas, linear equations and inequalities, variation, functions, linear systems, conics, inverse functions, exponential, and logarithmic functions. NOTE: BOTH MATH 148 AND MATH 149 MUST BE COMPLETED TO SATISFY ANY PREREQUISITE REQUIRING INTERMEDIATE ALGEBRA. THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH MATH 150. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150. 54 lecture hours.

MATH 150

Intermediate Algebra

5 Units Grade or P/NP

Prerequisite: MATH 130.

Real number properties, first degree equations and inequalities, absolute value equations and inequalities, applications, polynomials, the binomial theorem, factoring, rational expressions, exponents, radicals, complex numbers, quadratic equations, applications, formulas, linear equations and inequalities, variation, functions, linear systems, conics, inverse functions, exponential, and logarithmic functions. NOTE: THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148 OR 149. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150. 90 lecture hours.

MATH 151

Plane Trigonometry

4 Units Grade or P/NP

Prerequisite: MATH 131 or High School Geometry and MATH 149 or MATH 150.

Functions, the trigonometric functions, their graphs and identities: laws of sines and cosines; solutions of triangles; trigonometric equations; inverse trigonometric functions; polar coordinates; DeMoivre's Theorem; exponential and logarithmic functions. 72 lecture hours. CSU

MATH 160

Survey of Mathematics

3 Units Grade or P/NP

Prerequisite: MATH 149 or MATH 150.

A course in mathematical concepts for the liberal arts student. Topics include sets and logic, problem solving, numeration systems, consumer applications, geometry, probability, statistics, and computer applications. 45 lecture hours, 27 lab hours. CSU

MATH 162

Introductory Mathematical Analysis

4 Units Grade or P/NP

Prerequisite: MATH 149 or MATH 150.

Concepts of function and limits: applied calculus emphasizing techniques of integration and differentiation with applications in social and life sciences, business administration, economics, and engineering technology. 72 lecture hours. CSU;UC

MATH 165

Introductory Statistics

4 Units Grade Only

Prerequisite: MATH 149 or MATH 150.

Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi-square, and applications in diverse disciplines. 72 lecture hours. CSU;UC

MATH 165H
Introductory Statistics - Honors
4 Units **Grade or P/NP**
Prerequisite: MATH 149 or MATH 150.

Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi-square, and applications in diverse disciplines. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of mathematical readings, presentation, and leadership skills demonstrated through class participation/presentation and service learning in the community. 72 lecture hours. CSU;UC

MATH 168
Mathematics for Elementary Teachers I
3 Units **Grade Only**
Prerequisite: MATH 149 or MATH 150.

Course is designed for prospective elementary teachers. The course covers sets, logic, number systems, number theory and algebra functions. Techniques in instructional delivery explored. 54 lecture hours, 18 lab hours. CSU;UC

MATH 169
Mathematics for Elementary Teachers II
3 Units **Grade Only**
Prerequisite: MATH 168.

Second class for elementary school teachers. Course covers topics in measurement, geometry, probability and statistics. Techniques in the design of instruction delivery will be explored. 54 lecture hours, 18 lab hours. CSU;UC

MATH 170
College Algebra
3 Units **Grade Only**
Prerequisite: MATH 149 or MATH 150.

Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 54 lecture hours. CSU;UC

MATH 170H
College Algebra - Honors
3 Units **Grade Only**
Prerequisite: MATH 149 or MATH 150.

Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 54 lecture hours. CSU;UC

MATH 175
Pre-Calculus
4 Units **Grade Only**
Prerequisite: MATH 151.

Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU;UC

MATH 190
Calculus with Analytic Geometry I
4 Units **Grade or P/NP**
Prerequisite: MATH 175.

Introduction to differential and integral calculus with applications; functions; limits; and continuity; techniques of differentiation; exponential; logarithmic; and inverse trigonometric functions. 72 lecture hours. CSU;UC

MATH 191
Calculus with Analytic Geometry II
4 Units **Grade or P/NP**
Prerequisite: MATH 190.

Continuation of integral calculus with applications; techniques of integration; sequences and series; analytic geometry; plane curves; parametric equations; and polar coordinates. 72 lecture hours. CSU;UC

MATH 210
Calculus with Analytic Geometry III
4 Units **Grade or P/NP**
Prerequisite: MATH 191.

Vectors, calculus of functions of more than one variable, partial derivatives, multiple integration, vector calculus, Green's Theorem, Stokes' Theorem, and divergence theorem. 72 lecture hours. CSU;UC

MATH 211
Differential Equations
4 Units **Grade or P/NP**
Prerequisite: MATH 210.

First and Second Order (Linear and Non-linear) Differential Equations, with emphasis on modeling applications. Numerical Methods. Basic Linear Algebra. Systems of Linear and Non-linear Differential Equations and their applications. Application of Linear Algebra to Systems. Power Series Methods. 72 lecture hours, 18 lab hours. CSU;UC

MATH 212
Introduction to Linear Algebra
4 Units **Grade Only**
Prerequisite: MATH 191.

An introduction to linear algebra that complements coursework in calculus. Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces, eigenvalues and eigenvectors and linear transformations. 72 lecture hours. CSU;UC

Motorcycle Technology
(Technology and Engineering Department)

These course offerings prepare students for entry level occupations in motorcycle service diagnosis and repair.

Motorcycle Technology Courses

MOTO 100
Motorcycle Repair I
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A basic course in the theory of operation and repair procedures of two- and four-stroke motorcycles and ATV's. The student will gain entry-level skills for the motorcycle repair industry. 18 lecture hours, 54 lab hours.

MOTO 101
Fundamentals of Motorcycle Service, Diagnosis and Repair
5 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Intended for motorcycle technology majors, this class serves as the pre-requisite for all motorcycle technology certificate and/or degree-applicable courses. Motorcycles, ATVs and scooters will be explored from the point of view of the service technician. Scientific principles and operation of essential motorcycle technologies are central to the course goal of preparing students for entry into the motorcycle technology core curriculum. Appropriate lab activities in motorcycle inspection, service and repair are included. 72 lecture hours, 54 lab hours. CSU

MOTO 141
Motorcycle Engine Mechanical Systems Service, Diagnosis & Repair
4 Units **Grade or P/NP**
Prerequisite: AUTO 101 or MOTO 101.

Intended for those students majoring in motorcycle technology or those currently employed with a motorcycle service/repair establishment seeking to improve their skills. This course covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. 54 lecture hours, 54 lab hours. CSU

MOTO 142
Motorcycle Power Transmission System Service, Diagnosis & Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or MOTO

101.

Intended for those students majoring in motorcycle technology or those currently employed with a motorcycle service/repair establishment seeking to improve their skills. The course covers essential power transmission theory; inspection, diagnosis, service & repair of transmissions primary and secondary drive systems including chain, belt, gear, and shaft-drive systems. 72 lecture hours, 54 lab hours. CSU

MOTO 144
Motorcycle Chassis System Service, Diagnosis & Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or MOTO 101.

Generally intended for those students majoring in motorcycle technology and/or currently employed with a motorcycle service/repair establishment. The course covers essential chassis system theory; inspection, diagnosis, service & repair of the following motorcycle systems: Brake, steering, suspension, alignment, wheels and tires. ABS and linked-brake systems are introduced. 72 lecture hours, 54 lab hours. CSU

MOTO 146
Motorcycle Electrical System Service, Diagnosis & Repair
4 Units **Grade or P/NP**
Prerequisite: AUTO 101 or MOTO 101.

Generally intended for those students majoring in automotive technology and/or currently employed with an motorcycle service/repair establishment. This course covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, instrument-panel warning lights and power accessories. This course is the same as AUTO 146. 54 lecture hours, 54 lab hours. CSU

MOTO 148
Motorcycle Engine Management System Service, Diagnosis & Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101 or MOTO 101 and AUTO 146 or AUTO 156 or MOTO 146.

Generally intended for those students majoring in motorcycle technology and/or currently employed with a motorcycle service/repair establishment. The course covers essential engine management system theory, along with inspection, diagnosis, service & repair of the following systems: Ignition, air and fuel delivery, electronic engine controls, and auxiliary emission controls. 72 lecture hours, 54 lab hours. CSU

MOTO 291
Engine Performance Enhancements and Tuning
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The class covers the engine performance enhancements available for motorcycle vehicles. The subject areas covered include stand-alone engine management systems, fuel systems, turbo chargers, superchargers, nitrous oxide, ignition systems, and the use of the chassis dynamometer as a tuning tool. 36 lecture hours, 54 lab hours.

Medium & Heavy Diesel Truck Technology
(Technology and Engineering Department)

These course offerings prepare students for entry level occupations in diesel technology, medium and heavy trucks, and provides training needed for advancement within these occupations. Employment positions are available in both the public and the private sector.

Medium & Heavy Diesel Truck Technology Courses

MTRK 105
Diesel and Gasoline Generator Technology
2 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will offer an overview of diesel and gasoline generator technology used in small and medium industries. It will provide students with a basic knowledge of diesel and gasoline generator repair including basic maintenance and systems troubleshooting. This course will also cover necessary requirements and equipment to enter this career field. 18 lecture hours, 54 lab hours.

MTRK 151
Medium and Heavy Truck Engines Service, Diagnosis, and Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101.
Strongly Recommended: ENGL 100 and MATH 029 or Higher level Math course. Also, READ 099 if required by reading placement exam or if required by reading level.

Intended for those students majoring in Medium and Heavy Duty Truck or those currently employed with a medium and heavy truck service/repair establishment seeking to improve their skills. This course

covers essential engine theory, inspection, diagnosis, service and repair. Engine inspection and measurements are covered, with emphasis on in-vehicle repairs. This course prepares students for ASE Truck Gas and Diesel Engine Repair (T-1, T-2) certification exam. 54 lecture hours, 126 lab hours. CSU

MTRK 152
Medium and Heavy Truck Drive Train Service, Diagnosis, and Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 029 or higher level math course. ENGL 100.

Intended for those seeking a career in the medium and heavy truck service and repair industry. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drive train systems. Appropriate lab activities in automobile drive train inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission (H3, S3) and Manual Drive train(T3) certification exams. 54 lecture hours, 126 lab hours. CSU

MTRK 154
Medium and Heavy Truck Chassis Service, Diagnosis, and Repair
5 Units **Grade or P/NP**
Prerequisite: AUTO 101.
Strongly Recommended: ENGL 100 and MATH 115 or higher level math course. Also, READ 099 if required by reading placement exam or if required by reading level.

Intended for those seeking a career in the medium and heavy duty truck service and repair industry, this course covers essential chassis system theory, along with inspection, diagnosis, service & repair of the following systems: brake, steering, suspension, alignment, wheel/tire, and ABS. Course prepares students for ASE Suspension and Steering (T4) and ASE Brakes (T5) certification. 54 lecture hours, 126 lab hours. CSU

MTRK 190
Introduction to Compressed Natural Gas Vehicles
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course introduces students to the role, function, and application of compressed natural gas (CNG) as an alternative fuel for today's internal combustion engine. Propane, methanol, hydrogen, fuel cells, and electric vehicles are also discussed. Course prepares students to take the ASE F1 exam. 54 lecture hours.

MTRK 272
Diesel Engine Troubleshooting
2 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course covers tune-up and troubleshooting of two and four cycle Detroit Diesel, Cummins, and Caterpillar Diesel engines. The air in-let, fuel, and lubrication system will be analyzed for its operation and troubleshooting problems related to them. The use of special tools and gauges will be used to quickly diagnose the problems. No power and smoking conditions will be analyzed. 18 lecture hours, 54 lab hours.

Music

(Performing Arts Department)

The roster of alumni from the music department includes conductors, composers, teachers, administrators, performers, in concert, jazz, musical comedy and opera, and members of symphony orchestras. All music majors must be registered every semester in a Citrus College performing group.

Commercial Courses

MUS 129
Pop/Rock Ensemble I
2 Units **Grade Only**
Prerequisite: Audition.

A course for vocalists and instrumentalists in the techniques from Doo-Wop, Rockabilly, Rhythm and Blues, "Covers" to Classic Rock, Teen Idols and Girl Groups, with a focus on the small ensemble setting. Students will work extensively on these early rock and pop styling's and within small groups, with the intention of public performance. Public performance required. This course may be taken four times. 36 lecture hours, 36 lab hours arranged. CSU

MUS 131
Career Opportunities in the Music Entertainment Industry
3 Units **Grade Only**

This is a class for students interested in the music entertainment industry. Practices and procedures of artists and performers, record companies, live performance and touring, publishing, management, promotion, artist, radio station, video, and retail sales will be examined. Emphasis will be on prominent guest lecturers from various fields. 54 lecture hours.

MUS 132
Music Performance for Events
1 Unit **Grade Only**
Prerequisite: Audition.

Music Performance for Events is designed for the student to learn and enjoy the art of performing music for sports events and related functions. This course will incorporate the selection of, and the ability to perform the appropriate material. This course may be taken four times. 72 lab hours.

MUS 139
Pop/Rock Ensemble II
2 Units **Grade Only**
Prerequisite: Audition.

Co-Requisite: MUS 290 or MUS 291 or MUS 292.

A course for vocalists and instrumentalists in the techniques from Motown, Soul, Folk-Rock and Psychedelic Rock of the 60's to contemporary pop and rock, Tex-Mex and Salsa, and contemporary vocal jazz groups, with a focus on the small ensemble setting. Students will work extensively on these rock and pop styling's and within the application of a small group, with the intention of public performance. Public performance required. This course may be taken four times. 36 lecture hours, 36 lab hours arranged. CSU

MUS 140
Electronic Music I
2 Units **Grade or P/NP**

Basic theory and practice of electronic music synthesis including synthesizer components and electronic sound processing, recording, editing, and mixing techniques. 36 lecture hours, 18 lab hours arranged. CSU

MUS 141
Electronic Music II
2 Units **Grade or P/NP**
Prerequisite: MUS 140.

Advanced theory and practice of electronic music synthesis including analog synthesizer components and electronic sound processing, recording, editing, and mixing techniques. Advanced MIDI applications. 36 lecture hours, 18 lab hours arranged. CSU

MUS 145
Pop, Rock, and Jazz Performance Styles
4 Units **Grade Only**
Prerequisite: Audition.

Introductory study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles - including appropriate rehearsal and performance techniques. This course may be taken four times. 36 lecture hours, 18 lab hours, 108 lab hours arranged. CSU

MUS 146
Pop/Cumbia Ensemble I
2 Units **Grade or P/NP**
Prerequisite: Audition
Co-Requisite: MUS 290 or MUS 291 or MUS 292.

A course for vocalists and instrumentalists in the study, rehearsal, and performance of Cumbia, Vallenato, Merengue, Corridos, and Rancheras and other Central and Interior and South American musical styles (notably excluding Mariachi) with a focus on the medium size (15-20) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of Latin American musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. This course may be taken four times. 36 lecture hours, 36 lab hours arranged. CSU;UC

MUS 147
Pop/Salsa Ensemble I
2 Units **Grade or P/NP**
Prerequisite: Audition.
Co-Requisite: MUS 290 or MUS 291 or MUS 292.

A course for vocalists and instrumentalists in the study, rehearsal, and performance of Salsa, Merengue, Bolero and other Caribbean and Coastal South American musical styles with a focus on the medium size (15-20) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of Latin American musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. This course may be taken four times. 36 lecture hours, 36 lab hours arranged. CSU;UC

MUS 150
Professional Performance Techniques
3 Units **Grade Only**
Prerequisite: Audition.

The Professional Performance Techniques for the musician class provides the musician with the necessary fundamentals, to accurately assess a performance setting and make appropriate decisions for its success. The course stresses detailed style analysis in a broad range of musical settings. Logistical necessities will be examined and the course will culminate with musical performances. This course may be taken four times. 18 lecture hours, 108 lab hours.

MUS 160
Popular Piano Styles
2 Units **Grade or P/NP**
Prerequisite: Audition.

This course acquaints the student with the musical concepts employed by the professional pianist in the commercial music field. Concepts include construction and identification of extended (jazz) chords,

voicing, accompanying, fills, substitutions, and style in view of solo and ensemble playing. This course may be taken four times. 36 lecture hours, 18 lab hours.

MUS 162
Songwriting
2 Units **Grade or P/NP**

Strongly Recommended: MUS 112.
This course acquaints the student with commercial songwriting techniques. Included are developing an idea, writing a melody, melodic expansion, chord progressions, form, and light orchestration. This course may be taken four times. 36 lecture hours, 18 lab hours arranged. CSU

MUS 172
Styles, Technique, and the "Soul" of Popular Singing
2 Units **Grade or P/NP**

Strongly Recommended: Audition.
Development of basic techniques and skills appropriate for singing various styles of commercial and popular music. Emphasis will be on fundamental singing techniques, song interpretation, and the joy of performing. Some music technology and the business of music will also be discussed. Solo and ensemble (back-up) singing performances are included. This course may be taken four times. 36 lecture hours, 18 lab hours arranged.

MUS 209
Musical Theatre Academy Production
4 Units **Grade or P/NP**

Prerequisite: Audition.
An in depth survey of the skills necessary for the performer in a live musical theatre production. Emphasis on the audition process, script analysis, role preparation, theatre and rehearsal etiquette and rehearsal technique culminating in a live, full-length fully-produced musical. This course may be taken four times. 36 lecture hours, 126 lab hours. CSU;UC

MUS 211
Citrus Singers Tour Ensemble (Pop)
4 Units **Grade Only**

Prerequisite: Audition.
An advanced course for the vocal performance major. Integration of advanced pop vocal techniques, dance, and body movement, and tour exposure in a professional-quality performance/tour setting. This course may be taken four times. 54 lecture hours, 54 lab hours. CSU;UC

MUS 212
Citrus Singers Summer Ensemble (Classical)
4 Units **Grade Only**

Prerequisite: Audition.
An advanced course for the vocal performance major. Advanced classical vocal techniques in a professional quality performance/tour setting. This course may

be taken three times. 54 lecture hours, 54 lab hours. CSU;UC

MUS 213
Professional Performance Techniques (Vocal)
3 Units **Grade or P/NP**

Prerequisite: Audition
An advanced course for the vocal performance major. Advanced vocal techniques in a professional-quality setting. Emphasis on rehearsal techniques, total presentation, body movement, and audience rapport. This course may be taken four times. 36 lecture hours, 54 lab hours.

MUS 214
Musical Theatre Techniques
3 Units **Grade or P/NP**

This introductory course provides an overview of the techniques necessary for the performer in a live musical theatre production. Topics include history of American musical theatre, audition technique, rehearsal and performance techniques, and methods of production evaluation. This course may be taken four times. 36 lecture hours, 18 lab hours, 36 lab hours arranged. CSU;UC

MUS 215
Musical Theatre Production
4 Units **Grade or P/NP**

Prerequisite: Audition.
Live musical theatre production. Students will function as principles and ensemble members in a fully produced musical. The course is also open to qualified musicians and technicians who wish to participate in production. This course may be taken four times. 36 lecture hours, 108 lab hours. CSU;UC

MUS 220
Musical Theatre Academy Techniques
2 Units **Grade or P/NP**

Prerequisite: Audition.
Musical Theatre Academy Techniques course provides students with the vocal training, dance technique, and acting fundamentals needed to perform. The course culminates in a final showcase which allows each student the training, experience, and exposure of performing for a live audience. This course may be taken four times. 36 lecture hours, 36 lab hours. CSU

MUS 224
Musical Theatre Workshop Production
4 Units **Grade or P/NP**

Prerequisite: Audition.
A practical overview of, and creative workshop on, the process and skills of developing, producing, and performing in a musical. Emphasis on script analysis, character development, production themes, and vocal production, culminating in a

live, full-length, fully-produced musical. This course may be taken four times. 36 lecture hours, 108 lab hours. CSU

MUS 228
Jazz Ensemble Tour
7 Units **Grade Only**

Prerequisite: Audition.
This course prepares the student for a unique instrumental ensemble experience through classroom instruction, laboratory training, and performance. Emphasis on solos as well as ensemble, study of jazz compositions, combined with an in-depth travel experience abroad. Public performance required. This course may be taken four times. 72 lecture hours, 252 lab hours. CSU;UC

MUS 237
Jazz Ensemble II
4 Units **Grade Only**

Prerequisites: MUS 107 and Audition.
Advanced study and performance of jazz and big band music. This course applies jazz techniques to performance situations for the large ensemble. This course may be taken four times. 36 lecture hours, 72 lab hours, 36 lecture hours arranged. CSU;UC

MUS 240
Electronic Music III
2 Units **Grade or P/NP**

Prerequisite: MUS 141.
Advanced theory and practice of electronic music synthesis including digital synthesizer components and electronic sound processing, recording, editing, and mixing techniques. Advanced MIDI applications. 36 lecture hours, 18 lab hours. CSU

MUS 245
Pop, Rock, and Jazz Performance Styles II
4 Units **Grade or P/NP**

Prerequisites: MUS 145 and Audition.
A more in depth study and performance of contemporary Pop, Rock, and Jazz styles. This course may be taken four times. 36 lecture hours, 18 lab hours, 108 lab hours arranged. CSU

MUS 290
Applied Music
2 Units **Grade Only**

Prerequisite: Audition.
A workshop class in applied music which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU;UC

MUS 291
Applied Music / Individual Instruction (Classical)
2 Units **Grade Only**

Prerequisite: Audition.
A workshop class in applied music with an emphasis on classical techniques which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU;UC

MUS 292
Applied Music / Individual Instruction (Pop)
2 Units **Grade Only**

Prerequisite: Audition.
A workshop class in applied music with an emphasis on popular techniques which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities. This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU;UC

History & Theory Courses

MUS 100
Musicianship
2 Units **Grade Only**
Co-Requisite: MUS 102. **Recommendation by instructor of music courses which require knowledge of sight singing.**

An introductory class for the music major. Practice and skill development in melodic and rhythmic dictation, intervals, and sight-singing. Required of all music majors. 36 lecture hours. CSU;UC

MUS 101
Musicianship
2 Units **Grade Only**
Prerequisites: MUS 100 and MUS 102.

Co-Requisite: MUS 103.
Recommendation by instructor of music courses which require knowledge of sight singing.
Continuation of materials and skills developed in Music 100. Continued practice and skill development in melodic and rhythmic dictation, intervals, and sight-singing. Required of all music majors. 36 lecture hours. CSU;UC

MUS 102
Harmony
3 Units **Grade Only**
Co-Requisite: MUS 100.
Strongly Recommended: MUS 112.

An introductory class in music theory for the music major. Study of scales, intervals, chord types, and harmonic progression. Required of all music majors. 54 lecture hours. CSU;UC

MUS 103
Harmony
3 Units **Grade Only**

Prerequisite: MUS 102.
Co-Requisite: MUS 101.
Continuation of materials and skills developed in Music 102. Additional study and analysis of scales, intervals, chord types and harmonic progression. Required of all music majors. 54 lecture hours. CSU;UC

MUS 110
History of Music I
3 Units **Grade Only**

This is an in-depth course examining the history of music as well as the lives and contributions of major composers from Antiquity, the Middle Ages, the Renaissance, and the Baroque periods. Required for music majors. 54 lecture hours. CSU;UC

MUS 111
History of Music II
3 Units **Grade Only**

This is an in-depth course examining the history of music as well as the lives and contributions of major composers from the Classical, Romantic, and 20th Century periods. Required for music majors. 54 lecture hours. CSU;UC

MUS 112
Music Fundamentals
3 Units **Grade or P/NP**

This course emphasizes basic music skills. Recommended for all students desiring a foundation in beginning theory, notation, ear training, and composition. 54 lecture hours, 18 lab hours arranged. CSU;UC

MUS 113
History of Rock and Roll
3 Units **Grade Only**

This course focuses on the rock musician, the music and the manner in which sociological, political, and economic conditions merged in the evolution of this art form. - Listening and classroom discussion will be stressed. 54 lecture hours. CSU;UC

MUS 114
Music Appreciation
3 Units **Grade Only**

This course is an introduction to music from the Middle Ages to the 20th Century. Instruction includes basic music theory, a study of prominent composers, and a survey of musical forms. Recommended for the non-music major. Required for music majors. 54 lecture hours. CSU;UC

MUS 170
Sight Reading for the Studio
3 Units **Grade Only**

Prerequisite: Audition.
Strongly Recommended: MUS 112.
Also, READ 099 if required by reading placement exam or if required by reading level.

A preparatory course in sight-reading for

the aspiring performer/studio musician. Focus is upon polished/professional performance through the application of music theory and analysis to the sight-reading process. This course may be taken four times. 54 lecture hours, 18 lab arranged hours. CSU

MUS 200
Musicianship
2 Units **Grade Only**
Prerequisites: MUS 101 and MUS 103.

Co-Requisite: MUS 202.
Melodic and rhythmic dictation and sight singing. Identification of intervals, chord qualities, scales, phrases and harmonic function. Required for transferring music majors. 36 lecture hours. CSU;UC

MUS 201
Musicianship
2 Units **Grade Only**
Prerequisites: MUS 200 and MUS 202.

Co-Requisite: MUS 203.
A continuation of MUS 200. This course will include more challenging rhythmic, melodic, and harmonic dictation and solfège. Required for transferring music majors. 36 lecture hours. CSU;UC

MUS 202
Harmony
3 Units **Grade Only**
Prerequisite: MUS 103.
Co-Requisite: MUS 200.

Continuation of first year's study, including seventh chords, secondary dominants, modality, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, chorales, and songs. Required of all transferring music majors. 54 lecture hours. CSU;UC

MUS 203
Harmony
3 Units **Grade Only**
Prerequisites: MUS 200 and MUS 202.

Co-Requisite: MUS 201.
Continuation of first year's study, including seventh chords, secondary dominants, modality, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, chorales, and songs. Required of all transferring music majors. 54 lecture hours. CSU;UC

MUS 218
History of Jazz
3 Units **Grade Only**

A survey of jazz music. This course provides an opportunity to explore jazz music, its origins, its many styles, and some of the great names whose artistry

influenced its development. The effect of jazz on other musical forms such as classical and rock & roll will be explored as well. 54 lecture hours. CSU;UC

MUS 225
Introduction to American Music
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A survey of American music from the seventeenth century until the present. Units include the Colonial music, spirituals, and gospel music, parlor songs, the ragtime and jazz era, the rise of classical music, music for the stage and screen, the blues, folk and protest music, country and western, and the birth of rock and roll. 54 lecture hours. CSU;UC

Instrumental Courses

MUS 105
Elementary Piano I
2 Units **Grade Only**
For the beginning music student or non-music major. Covers all basic elements in elementary piano, including music reading, rhythm studies, technique, and scales. 36 lecture hours. CSU;UC

MUS 106
Elementary Piano II
2 Units **Grade Only**
Prerequisite: MUS 105.
Continuation of skills and techniques learned in MUS 105. Emphasis on reading skills, major scales, compound meters, ensemble playing, harmonization, and elementary classical keyboard literature. 36 lecture hours. CSU;UC

MUS 107
Jazz Ensemble
4 Units **Grade Only**
Prerequisite: Audition.
Study and performance of jazz and big band music. This course provides an opportunity to learn the techniques applicable to the large ensemble. Public performance required. This course may be taken four times. 36 lecture hours, 126 lab hours. CSU;UC

MUS 108
Woodwind Techniques
1 Unit **Grade Only**
Prerequisite: Audition.
Selected intermediate and advanced studies to further knowledge and tonal proficiencies of musicians. Study of solo literature from different periods of music chosen to suit the student's performance level. Different periods of performance practices are explored. This course may be taken four times. 54 lab hours. CSU;UC

MUS 109
Brass and Percussion Techniques
1 Unit **Grade Only**
Prerequisite: Audition.
Selected intermediate and advanced studies to further technique and tone proficiency of musicians. Study of solo literature from different periods of music chosen to suit the student's performance level. This course may be taken four times. 54 lab hours. CSU;UC

MUS 122
Beginning Guitar I
2 Units **Grade Only**
Stringing, tuning, fingering, playing techniques, notation, chords and chord progressions, reading guitar music, playing simple melodies and accompaniment. 36 lecture hours. CSU;UC

MUS 123
Beginning Guitar II
2 Units **Grade Only**
Prerequisite: MUS 122 or Audition.
This course continues the development of skill begun in MUS 122. In addition, the following areas are covered: barre chords, additional accompaniment techniques, major and minor scale patterns in first position. 36 lecture hours. CSU;UC

MUS 124
Intermediate Guitar
2 Units **Grade Only**
Prerequisite: MUS 123 or Audition.
Instruction in scales, chords, and arpeggios in all keys and positions. Improvising, accompanying, sight reading, transposing, and performing of popular and classical styles. 36 lecture hours. CSU;UC

MUS 125
Intermediate Guitar
2 Units **Grade Only**
Prerequisite: MUS 124 or Audition.
This course is a continuation of the first semester intermediate guitar (Music 124). Course includes solo guitar playing techniques, and ensemble playing. 36 lecture hours. CSU;UC

MUS 137
Standard Percussion Instrumentation/Techniques
1 Unit **Grade Only**
This course, for the percussionist, introduces appropriate exercises in rhythm, technique and consistency. Special selected studies including specific techniques and rhythmic patterns are chosen to advance the student's proficiency on the standard percussion instruments. Study of solo and ensemble literature from different periods of music chosen to suit the student's performance level. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

MUS 138
World Percussion Instrumentation/Techniques
1 Unit **Grade Only**
This course introduces appropriate exercises in rhythm, technique and consistency. Special selected studies include specific techniques and rhythm patterns which are chosen to advance the students proficiency on ethnic percussion instruments. Study of instruments and rhythms from Latin American, Middle Eastern, and other ethnic cultures. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

MUS 152
Jazz Combos
1 Unit **Grade Only**
Prerequisite: Audition.
Students will work extensively on improvisation and small group techniques. The study of standard "be-bop" tunes and their application in the small group will be covered. This class will be divided into small ensembles. Public performance required. This course may be taken four times. 48 lab hours, 24 lab hours arranged. CSU;UC

MUS 153
Chamber Jazz
4 Units **Grade or P/NP**
Prerequisite: Audition.
Co-Requisites: MUS 108 or MUS 109 and MUS 290 or MUS 291 or MUS 292.
Advanced study and performance of traditional and contemporary jazz. Jazz and world music styles along with their influence will be covered. Public performance and the possibility of touring are required. This course may be taken four times. 36 lecture hours, 18 lab hours, 108 lab hours arranged. CSU;UC

MUS 154
Jazz Improvisation
3 Units **Grade or P/NP**
This is a class for music majors and performing artists. The theory, technique, and practice of jazz improvisation in a variety of styles will be examined. This course may be taken four times. 54 lecture hours, 18 lab hours arranged. CSU;UC

MUS 155
The Professional Pianist
2 Units **Grade or P/NP**
Prerequisite: Audition.
Exploration of collaborative keyboard skills required of a professional pianist. An intermediate-level course in classical and popular, vocal, and instrumental collaboration, and sight-reading techniques. 36 lecture hours.

MUS 157
Percussion Ensemble I
1 Unit **Grade or P/NP**
Prerequisite: *MUS 137 or Audition.*

A course for percussionists in the study, rehearsal, and performance of classical, modern and novelty percussion ensemble chamber music with a focus on the small to medium size (4 - 16) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

MUS 158
World Percussion Ensemble I
1 Unit **Grade or P/NP**
Prerequisite: *MUS 138 or Audition.*

A course for percussionists in the study, rehearsal, and performance percussion ensemble chamber music from Latin American, Middle Eastern and various other ethnic cultures with a focus on the small to medium size (4 - 16) ensemble setting. Students will explore the rhythmic and stylistic idiosyncrasies of this group of musical styles in sectional and full ensemble settings, with the intention of public performance. Public performance required. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU;UC

MUS 161
Keyboard Skills for the Music Major
3 Units **Grade or P/NP**

A keyboard skills class for music majors. Covers all basic elements of piano; includes skills that are specifically essential for musicians, such as: accompaniment, score reading, harmonization, sight-reading, keyboard harmony, and ensemble playing. 54 lecture hours.

MUS 205
Intermediate Piano I
2 Units **Grade Only**
Prerequisite: *MUS 106 or Audition.*

Continued development of essential keyboard skills. This course emphasizes improvisation, melodic harmonization, and reading music at sight. 36 lecture hours. CSU;UC

MUS 206
Intermediate Piano II
2 Units **Grade Only**
Prerequisite: *MUS 205 or Audition.*

Continued development of essential keyboard skills learned in Intermediate Piano I. This course emphasizes working with lead sheets, interpretation of chord symbols, advanced scale types, and transcription. 36 lecture hours. CSU;UC

MUS 207
Laboratory Band
2 Units **Grade Only**
Prerequisite: *Audition.*

Co-Requisites: *MUS 108 or MUS 109 and MUS 290 or MUS 291 or MUS 292.*

Introductory study and performance of jazz and commercial music. Topics include scales, chords, patterns, improvisation and development of musical style. Public performance required. This course may be taken four times. 36 lecture hours, 18 lab hours, and 108 lab hours arranged.

MUS 208
Studio Orchestra
4 Units **Grade Only**
Prerequisite: *Audition.*

Study and performance of commercial musical styles including Broadway show styles, variety show, stage productions, and recording session. Public and studio performance required. This course may be taken four times. 36 lecture hours, 54 lab hours, 72 lab hours arranged. CSU

MUS 216
Brass Choir I
3 Units **Grade Only**
Prerequisite: *Audition.*

Co-Requisite: *MUS 290 or MUS 291 or MUS 292.*

Study and performance of brass ensemble music. This course provides an opportunity to learn performance practices of brass music in various styles through the medium of a large brass ensemble. Literature from the Renaissance through the Classical period will be covered. Public performance required. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU;UC

MUS 217
Chamber Winds I
4 Units **Grade or P/NP**

Study of band literature from the Renaissance to Classical Era. Working soloists and guest artists will be emphasized in addition to the study of different performance practices. Public performance required. This course may be taken four times. 36 lecture hours, 108 lab hours. CSU;UC

MUS 221
Drum and Bugle Corps
2 Units **Grade or P/NP**
Prerequisite: *Audition.*

Students will be part of a performing drum and bugle corps, performing in pre-conceived and free-form formations and routines, playing brass and percussion instruments, with accompanying visual units appropriate to the ensemble. This course may be taken four times. 18 lecture hours, 54 lab hours.

MUS 223
Handbell Ensemble
1 Unit **Grade or P/NP**
Co-Requisite: *MUS 116.*

An advanced course for the music major. This course provides the skills of coordination, dexterity and musicianship through the use of 5-octave English handbells. Emphasis is placed on skills necessary for the development of professional quality musical performance in an ensemble setting. This course may be taken four times. 9 lecture hours, 9 lab hours, 27 lab hours arranged. CSU;UC

MUS 226
Brass Choir II
3 Units **Grade Only**
Prerequisite: *Audition.*

Study and performance of contemporary brass ensemble music. This course provides an opportunity to learn performance practices of brass music in various styles through the medium of a large brass ensemble. Literature from the Romantic Era to the 20th Century will be covered. Public performance required. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

MUS 227
Chamber Winds II
4 Units **Grade or P/NP**

Study of band literature from the Romantic Era to the 20th Century. Working soloists and guest artists will be emphasized in addition to the study of different performance practices. Public performance required. This course may be taken four times. 36 lecture hours, 108 lab hours. CSU;UC

MUS 229
Summer Instrumental Music Academy
3 Units **Grade Only**

The Summer Instrumental Music Academy provides the beginning musician with the necessary fundamentals of music reading ability, historical framework and basic technique on the student's chosen instrument. The course culminates with a summer concert, which provides students with the training and experience to play successfully in a variety of concert settings. This course may be taken four times. 18 lecture hours, 108 lab hours. CSU

MUS 234
Wind Symphony I
4 Units **Grade or P/NP**
Prerequisite: *Audition.*

The study and performance of advanced wind band literature, with an emphasis on the exploration of traditional wind and percussion music and the development of the highest standards of personal and musical professionalism. This course may be taken four times. 36 lecture hours, 18 lab hours, 90 lab hours arranged. CSU;UC

MUS 235
Advanced Piano I
2 Units

Prerequisite: *MUS 205 or Audition.*
This course continues the development of skills begun in MUS 105 and 106 with emphasis on increased proficiency. Included in the repertoire are moderately difficult compositions representative of selected stylistic periods of piano literature. This course, or a similar background, is required for music majors. 36 lecture hours. CSU;UC

MUS 236
Advanced Piano II
2 Units **Grade or P/NP**

Prerequisite: *MUS 235 or Audition.*
This course is a continuation of the first semester of second year piano and emphasizes the further development of those skills previously set forth. This course, or a similar background, required of all music majors. 36 lecture hours. CSU;UC

MUS 244
Wind Symphony II
4 Units **Grade Only**

Prerequisite: *Audition.*
The study and performance of advanced wind band literature, with an emphasis on the exploration of contemporary wind and percussion music and the development of the highest standards of personal and musical professionalism. This course may be taken four times. 36 lecture hours, 18 lab hours, 90 lab hours arranged. CSU;UC

MUS 252
Fusion Ensemble
1 Unit **Grade Only**

Prerequisite: *Audition*
Students will work extensively on contemporary jazz styles including fusion of rock and jazz elements, post "Be-Bop" and avant garde styles. This class will be divided into small ensembles. Public performance required. This course may be taken four times. 48 lab hours, 24 lab hours arranged. CSU;UC

Vocal Courses

MUS 115
Voice
2 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Special attention given to beginners with emphasis on basic elements necessary for good singing. This course may be taken four times. 36 lecture hours, 18 lab hours arranged. CSU;UC

MUS 116
Chamber Singers I
4 Units **Grade Only**

Prerequisite: *Audition.*
This course includes the study and performance of composition for the mixed choral ensemble. Includes compositions of the Baroque, Classic, and Romantic style period. Public performance required. This course may be taken four times. 36 lecture hours. 126 lab hours. CSU;UC

MUS 117
Vocal Ensemble I
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Recommended for all students interested in learning and performing repertoire for the small vocal ensemble. Includes standard vocal literature for various combinations of voices with intensive preparation in choral techniques for public concerts. Public performance required. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU;UC

MUS 118
Concert Choir I
3 Units **Grade Only**

Open to all students. Standard choral literature studied; special attention is given to choral tone production, phrasing and interpretation. Participation in public performances is required. This course may be taken four times. 36 lecture hours, 18 lab hours, 36 lab hours arranged. CSU;UC

MUS 119
Concert Choir II
3 Units **Grade Only**

A more in-depth study of standard choral literature: special attention is given to tone production, phrasing, and interpretation. Participation in public performances is required. This course may be taken four times. 36 lecture hours, 18 lab hours, 36 lab hours arranged. CSU;UC

MUS 120
Opera Workshop
2 Units **Grade Only**

Prerequisite: *Audition.*
Training and performance in solos, trios and small ensembles from the light opera and operatic repertoire. Introduction to standard literature, languages/diction, staging, and performance of this repertoire in scenes or in full opera productions. This course may be taken four times. 18 lecture hours, 54 lab hours. CSU;UC

MUS 121
Chamber Chorale
3 Units **Grade Only**

This course prepares the student for more in-depth ensemble experience. Emphasis on study and performance of classical and

pop compositions for small vocal ensembles. Public performances are required. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU;UC

MUS 126
Chamber Singers II
4 Units **Grade Only**

Prerequisite: *Audition.*
This course includes the study and performance of composition for the mixed choral ensemble. Primary focus is on compositions of the contemporary style period. Public performance required. This course may be taken four times. 36 lecture hours, 126 lab hours. CSU;UC

MUS 210
Intermediate Voice
2 Units **Grade or P/NP**

Prerequisite: *MUS 115 or Audition.*
Vocal exercises, analysis, and song memorization for the development of skill in performing literature for the solo voice. This course may be taken four times. 36 lecture hours, 18 lab hours arranged. CSU;UC

MUS 222
Women's Tour Ensemble
4 Units **Grade or P/NP**

Prerequisite: *Audition.*
This course prepares the student for a unique ensemble experience through classroom instruction, laboratory training, and performance. Emphasis on solo as well as ensemble study and performance of vocal compositions combined with an in-depth travel experience. Public performance required. This course may be taken four times. 54 lecture hours, 54 lab hours. CSU

MUS 230
Advanced Voice (Classical)
2 Units **Grade or P/NP**

Prerequisite: *MUS 210.*
Advanced vocal exercises and techniques, analysis and repertoire development used in performing classical literature for the solo voice. This course may be taken four times. 36 lecture hours, 18 lab hours. CSU;UC

MUS 231
Advanced Voice (Popular)
2 Units **Grade Only**

Prerequisite: *MUS 210 or Audition.*
Advanced vocal exercises and techniques, analysis and repertoire development used in performing popular literature for the solo voice. This course may be taken four times. 36 hours lecture, 18 lab hours. CSU;UC

MUS 232**Women's Ensemble I****4 Units** **Grade or P/NP****Prerequisite: Audition.**

This course prepares the student for in-depth women's ensemble performance. Emphasis on study and performance of classical compositions for women's ensemble. Public performance is required. This course may be taken four times. 36 lecture hours, 54 lab hours, 72 lab hours arranged. CSU;UC

MUS 233**Men's Ensemble****3 Units** **Grade or P/NP****Prerequisite: Audition**

Recommended for all male students interested in gaining knowledge of repertoire for the small men's vocal ensemble. Intensive preparation of choral literature for public concerts. Performance required. May be taken four times. 36 lecture hours, 54 lab hours. CSU;UC

MUS 242**Women's Ensemble II****4 Units** **Grade or P/NP****Prerequisite: Audition.**

This course prepares the student for in-depth women's ensemble performance. Emphasis on study and performance of pop compositions for women's ensemble. Public performance is required. This course may be taken four times. 36 lecture hours, 54 lab hours, 72 lab hours arranged. CSU;UC

MUS 277**Vocal Ensemble II****3 Units** **Grade or P/NP**

Recommended for all students interested in furthering and expanding their knowledge of repertoire for the small vocal ensemble. Includes more in-depth study of standard vocal literature for various combinations of voices with intensive preparation of choral literature for public concerts. Public performance required. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU;UC

Natural History

(Natural Sciences Department)

Natural History Courses**NAT 180A****Natural History Series - Deserts A****2 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the desert region will be covered. Possible locations

of interest but not restricted to include Death Valley, high desert, Anza Borrego-Salton Basin, Western Colorado Plateau, Eastern Colorado Plateau, Southeastern Arizona, Trans-Pecos or Baja California. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken four times. 36 lecture hours. CSU

NAT 180B**Natural History Series - Deserts - B****3 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the desert region will be covered. Possible locations of interest but not restricted to include Death Valley, high desert, Anza Borrego-Salton Basin, Western Colorado Plateau, Eastern Colorado Plateau, Southeastern Arizona, Trans-Pecos or Baja California. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken four times. 54 lecture hours. CSU

NAT 181A**Natural History Series - Coastal Mountains, Coastlines, Tropical Regions and Islands A****2 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the region will be covered. Possible locations of interest include, but are not restricted to San Gabriel Mountains, southern, central and northern California Coastlines, Hawaiian Islands, Channel Islands, Oregon Coast, Galapagos Islands, Costa Rica or Belize. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken four times. 36 lecture hours. CSU

NAT 181B**Natural History Series - Coastal Mountains, Coastlines, Tropical Regions and Islands B****3 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the region will be covered. Possible locations of interest include, but are not restricted to San Gabriel Mountains, southern, central and

northern California Coastlines, Hawaiian Islands, Channel Islands, Oregon Coast, Galapagos Islands, Costa Rica or Belize. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken four times. 54 lecture hours. CSU

NAT 182A**Natural History Series - Inland Mountains, Valleys and Alaska A****2 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the region will be covered. Possible locations of interest but not restricted to include Sierra Nevada, Owens Valley, San Andreas Fault Region, Cascades, Banff-Jasper, Alaska, and Rio Grand Valley. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken up to four times. 36 lecture hours. CSU

NAT 182B**Natural History Series - Inland Mountains, Valleys and Alaska B****3 Units** **Grade or P/NP**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the region will be covered. Possible locations of interest but not restricted to include Sierra Nevada, Owens Valley, San Andreas Fault Region, Cascades, Banff-Jasper, Alaska, and Rio Grand Valley. There will be three to ten days of class depending in the region visited. A transportation fee may be assessed. This course may be taken four times. 54 lecture hours. CSU

Nursing Courses

(Health Sciences Department)

NRS 100**Introduction to Health Occupations****3 Units** **Pass/No Pass Only**

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Fundamental skills needed for health related occupations. Includes medical terminology, medical math, the application of computers to health care, techniques and learning tools to evaluate scientific readings, field study and exposure to health career opportunities. Offered for Pass/No Pass grading only. 36 lecture hours, 54 lab hours.

NRS 101**Nurse Assistant****5 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Provision of basic nursing care to residents in a long-term care facility. Upon successful completion of this course, students become eligible to sit for the nurse assistant competency exam for certification. 54 lecture hours, 108 lab hours.

NRS 102**Home Health Aide****2 Units****Grade Only****Co-Requisite(s): NRS 101.**

Preparation of individuals to provide safe and proper nursing care and home care services to the elderly, ill, and infirm. Includes 27 hours in an extended care facility. 18 lecture hours, 54 lab hours.

NRS 260**Drugs and Solutions****3 Units****Grade Only**

A review of basic mathematics, drug formula calculations, and updated drug information. 54 lecture hours.

Registered Nursing**(Health Sciences Department)**

Citrus College offers a program designed to meet the requirements for licensure by the California Board of Registered Nursing. It is designed to qualify the student for the licensure examination and entry into practice as a Registered Nurse. Additionally, completion of the Associate in Science Degree in Nursing prepares a student to transfer to a four-year institution for completion of a baccalaureate degree. The curriculum follows the Program Philosophy and Conceptual Nursing Framework. Advanced placement in the program may be granted to those students with certain prior vocational nursing, or registered nursing education or equivalent.

Registered Nursing Courses**RNRS 190****Foundations of Nursing****4 Units****Grade Only****Prerequisites: BIOL 200, BIOL 201, BIOL 220 and admission to the ADRN program.****Co-Requisites: RNRS 191 and RNRS 192.**

The first course in the nursing sequence, students are introduced to the applications of critical thinking and the nursing process needed to provide basic care to clients in a variety of community, long term and acute care settings. Emphasis is on promoting optimum health across the health-

illness continuum. Clinical experiences provide the opportunity to practice basic skills and include campus laboratory and experiences in community settings. 36 lecture hours, 108 lab hours.

RNRS 191**Intro to Medical/Surgical Nursing I****5 Units****Grade Only****Prerequisites: BIOL 200, BIOL 201 and BIOL 220 or equivalents and admission to the ADRN program.****Co-Requisites: RNRS 190 and RNRS 192.**

Introduction to concepts and practices as they relate to the non-critical young adult through geriatric adult in the medical-surgical environment. Through utilization of the nursing process, the student will begin to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Selected psychomotor skills associated with the basic needs, medication administration and intravenous therapy will be studied and practiced. Introduction to Medical-Surgical Nursing I introduces the first year nursing student to concepts and practices as they relate to the adult patient in the Medical-Surgical environment. 36 lecture hours, 162 lab hours.

RNRS 192**Pharmacology for Nurses****2 Units****Grade Only****Prerequisites: BIOL 200, BIOL 201 and BIOL 220 or equivalents and admission to the ADRN program.****Co-Requisites: RNRS 190 and RNRS 191.**

The course introduces students to basic understandings of the interaction between drugs and living systems and prepares students for system application of drug therapy throughout the remainder of the program. The course includes instruction in drug classes and schedules, principles of drug administration, pharmacokinetics, pharmacodynamics across the life span, and legal and ethical issues related to drug administration. 36 lecture hours.

RNRS 193**Pediatric Nursing****3.5 Units****Grade Only****Prerequisites: RNRS 190, RNRS 191 and RNRS 192.****Co-Requisites: RNRS 194 and RNRS 195.**

This course focuses on integration and application of the nursing process as it relates to the nursing care of children and their families. Emphasis is on the concepts and skills related to age and developmental appropriate family centered care. Clinical-experiences will provide opportunities for students to participate in therapeutic activities in a variety of pediatric settings. 36 lecture hours, 81 lab hours.

RNRS 194**Obstetrics/Maternity Nursing****3.5 Units****Grade Only****Prerequisites: RNRS 190, RNRS 191 and RNRS 192.****Co-Requisites: RNRS 193 and RNRS 195.**

This course will enable the student to attain knowledge and skills necessary to provide safe, effective, culturally sensitive physiological and psychosocial care using the nursing process and family centered approach for childbearing clients and their families. Clinical experiences will provide opportunities for students to participate in therapeutic activities during antepartum, intrapartum, and postpartum periods; as well as the care and monitoring of the newborn. 36 lecture hours, 81 lab hours.

RNRS 195**Beginning Medical/Surgical****Nursing II****5 Units****Grade Only****Prerequisites: RNRS 190, RNRS 191 and RNRS 192.****Co-Requisites: RNRS 194 and RNRS 193.**

Medical Surgical Nursing II develops the first year nursing student's knowledge and skills as they relate to the adult non-critical moderately complex medical-surgical patient. Through utilization of the nursing process, the student will recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Psychomotor skills associated with moderately complex needs, medication administration and intravenous therapy will be studied and practiced. The impact of multiple nursing diagnoses on patient outcomes will be introduced. 45 lecture hours, 135 lab hours.

RNRS 200**Role Transition: LVN to RN****3 Units****Grade Only****Prerequisites: BIOL 200, BIOL 201 and BIOL 220 or equivalents. Current licensure in California as a Licensed Vocational Nurse.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to assist the LVN in transitioning from the LVN role to the expected role of the ADN student. Course content focuses on educational preparation for nursing, competencies expected of the graduate, critical thinking, communication, physical assessment, legal/ethical concerns and study skills. The on-campus lab provides opportunity for students to validate nursing skills and practice physical assessment skills. 36 lecture hours, 54 lab hours.

RNRS 201**Medical-Surgical Nursing III****5 Units****Grade Only**

Prerequisites: RNRS 193, RNRS 194 and RNRS 195 or RNRS 200 and Current Standing as an LVN in California.
Co-Requisite: RNRS 203.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course examines the nursing care of selected individuals throughout the lifespan who are experiencing complex alterations in wellness involving multiple systems. Care of clients experiencing a high-risk pregnancy and high-risk newborns is also included. Clinical experiences in local health care agencies and computerized simulation manikins and scenarios provide students opportunity to apply theoretical concepts to actual care of clients. 45 lecture hours, 135 lab hours.

RNRS 203**Mental Health-Psychiatric Nursing****3 Units****Grade Only**

Prerequisites: RNRS 193, RNRS 194 and RNRS 195 or RNRS 200 and current standing as a LVN in California.
Co-Requisite: RNRS 201.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course presents the principles of mental health and the social, economic, cultural and physiological factors that predispose a person to dysfunctional human behavior. Emphasis is placed on the therapeutic role of the nurse in promoting, preventing, maintaining and restoring individuals to optimal mental well-being. Concepts of therapeutic communication, age related concerns, treatment modalities, and delivery of mental health services are included. Clinical laboratory experiences are provided in community care facilities. 27 lecture hours, 81 lab hours.

RNRS 251**Medical-Surgical Nursing IV****6 Units****Grade Only**

Prerequisites: RNRS 201 and RNRS 203.
Co-Requisites: RNRS 252 and RNRS 290.

This course is a continuation of the nursing care of selected individuals throughout the life span who are experiencing complex alterations in wellness involving multiple systems. Care of clients experiencing multi-system failure and severe trauma is also included. Clinical experiences in local health care agencies provide students opportunity to apply theoretical concepts to actual care of patients. 45 lecture hours, 189 lab hours.

RNRS 252**Leadership for Professional Nursing Practice****2 Units****Grade Only**

Prerequisites: RNRS 201 and RNRS 203.
Co-Requisites: RNRS 251 and RNRS 290.

This course socializes students into the graduate registered nurse role. It focuses on the exploration and analysis of contemporary nursing practice, current trends, and issues impacting nursing care delivery. Advanced leadership and management concepts are discussed as part of the nursing role. Clinical experiences will be provided in Nursing 251. 36 lecture hours.

RNRS 290**Gerontological Nursing****2 Units****Grade Only**

Prerequisites: RNRS 201 and RNRS 203.
This course provides knowledge regarding the care of geriatric clients, including facts and theories of aging and cultural perspectives as well as specific information about each body system and alterations associated with aging. The course concludes with a discussion of gerontological issues. 18 lecture hours, 54 lab hours.

Vocational Nursing (Health Sciences)

Citrus College offers a program designed to meet the requirements for licensure by the California Board of Vocational Nursing and Psychiatric Technicians. It is designed to qualify the student for the licensure examination and entry into practice as a License Vocational Nurse.

Vocational Nursing Courses

VNRS 150**Fundamentals of Nursing****3 Units****Grade Only**

Prerequisite: NRS 100.
Co-Requisites: VNRS 151L, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.
Current admission to the Vocational Nursing program.

This course presents the evolution of nursing through history until the present time, defines the paradigm of health and illness, explores the issues of culture and ethnicity, and examines the nurse-client relationship. The course presents a wide variety of basic nursing procedures used in the practice of vocational nursing, including how to do the procedure, as well as why and when these procedures should be done. The course presents special tools of nursing: the nursing diagnosis and the nursing process, which are used to provide individualized care to clients. 54 lecture hours.

VNRS 151L**Fundamentals of Nursing Lab****3 Units****Pass/No Pass Only****Prerequisite:** NRS 100.

Co-Requisites: VNRS 150, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.

Current admission to the Vocational Nursing program.

Clinical application of theoretical concepts of basic nursing functions. Offered for Pass/No Pass grading only. 162 lab hours.

VNRS 152**Pharmacology I****1 Unit****Grade Only****Prerequisite:** NRS 100.

Co-Requisites: VNRS 150, VNRS 151L, VNRS 153, VNRS 154 and VNRS 155.

A beginning course in pharmacology. Elementary use of drug formulas, conversions, and dosage forms. 18 lecture hours.

VNRS 153**Introductory Nutrition for the Vocational Nurse****1 Unit****Grade Only****Prerequisite:** NRS 100.

Co-Requisites: VNRS 150, VNRS 151L, VNRS 152, VNRS 154 and VNRS 155.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course introduces the fundamentals of nutrition to the nursing student by discussing the relationship of food and health and the body's utilization of the six essential nutrients. Content also includes the five basic food groups, the food guide pyramid, and how to define and achieve a well-balanced diet. This course establishes the foundation needed for further study of nutrition in NRS 163. 18 lecture hours.

VNRS 154**Body Structure and Function for the Vocational Nurse I****1.5 Units****Grade Only****Prerequisite:** NRS 100.

Co-Requisites: VNRS 150, VNRS 151L, VNRS 152, VNRS 153 and VNRS 155.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Vocational nursing students will explore the basic facts of human anatomy and the principals of physiology with selected clinical examples. 27 lecture hours.

VNRS 155**Social-Psychology for the Vocational Nurse****1 Unit****Grade Only****Prerequisite:** NRS 100.

Co-Requisites: VNRS 150, VNRS 151L, VNRS 152.

This course introduces basic concepts of

psychology while helping students relate them to their patient and themselves. It includes information about personality development, wellness, and personal care, assertiveness, job-related communication, cultural and spiritual differences, employability skills, the role of the LVN, general legal aspects and nursing ethics. 18 lecture hours.

VNRS 160
Medical-Surgical Nursing I
3 Units **Grade Only**
Prerequisites: VNRS 150, VNRS 151L, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.

Co-Requisites: VNRS 161L, VNRS 162, VNRS 163, VNRS 164 and VNRS 165. **Current admission to the Vocational Nursing program.**

This course presents the theory and principles of nursing care for clients with illness and/or injury of the musculoskeletal, integumentary, and gastrointestinal systems. The course presents the principles and skills needed to perform a beginning level assessment of clients with alterations of these systems, within the scope of practice of the LVN. The course presents the application of the nursing process to the planning and care of these clients. 54 lecture hours.

VNRS 161L
Medical-Surgical Nursing I Lab
3 Units **Pass/No Pass Only**
Prerequisites: VNRS 150, VNRS 151L, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.

Co-Requisites: VNRS 160, VNRS 162, VNRS 163, VNRS 164 and VNRS 165. **Current admission to the Vocational Nursing program.**

Clinical application of theoretical concepts of nursing care for clients with illness and/or injury of the musculoskeletal, integumentary, and gastrointestinal systems. Offered for Pass/No Pass grading only. 162 lab hours arranged.

VNRS 162
Pharmacology II
1 Unit **Grade Only**
Prerequisite: VNRS 150.
Co-Requisites: VNRS 160, VNRS 161L, VNRS 163, VNRS 164 and VNRS 165.

Fundamental principles of drug action, the application of specific drugs in the treatment of disease, and the appropriate nursing actions to maximize the desired outcome of therapy. 18 lecture hours.

VNRS 163
Diet Therapy for the Vocational Nurse
1 Unit **Grade Only**
Prerequisites: NRS 100, VNRS 150, VNRS 151L, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.

Co-Requisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 164 and VNRS 165.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course presents nutritional needs across the lifespan, including the nutritional needs of healthy adults and the needs of people with certain illnesses, as well as nutritional needs related to pregnancy and lactation. Content includes nutritional assessment and planning, and the use of therapeutic diets in the treatment of certain illnesses. This course builds on the fundamentals of nutrition presented in NRS 153. 18 lecture hours.

VNRS 164
Body Structure and Function for the Vocational Nurse II
1.5 Units **Grade Only**
Prerequisite: VNRS 150, VNRS 151L, VNRS 152, VNRS 153, VNRS 154, VNRS 155.

Co-Requisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163 and VNRS 165.

A continuation of body structure and function for the vocational nurse with clinical case studies. 27 lecture hours.

VNRS 165
Growth and Development: Young Adult - Elderly
1 Unit **Grade Only**
Prerequisites: NRS 100, VNRS 150, VNRS 151L, VNRS 152, VNRS 153, VNRS 154 and VNRS 155.

Co-Requisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163 and VNRS 164.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Nursing assessment and promotion of health of the adult through death. Theoretical principles of growth and development. 18 lecture hours.

VNRS 170
Medical-Surgical Nursing II
7 Units **Grade Only**
Prerequisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163 and VNRS 164.
Co-Requisite: VNRS 171L.

Provide advanced nursing students the theory needed to perform skills and procedures for the adult in VNRS 171L. By consistently emphasizing the nursing process and rationale, the approach to each body system includes basic assessment or data collection, planning, implementation, evaluation and documentation. Basic nursing skills are reinforced while advanced skills include those related to the following body systems: cardiovascular, respiratory, neurological, genitourinary, endocrine and special senses. 126 lecture hours.

VNRS 171L
Medical-Surgical Nursing II Lab
7 Units **Pass No Pass Only**
Prerequisite: VNRS 160.
Co-Requisite: VNRS 170.

Clinical application of theoretical concepts of medical-surgical nursing of patients with alterations of respiration, circulation, and introduction to care of the patient with neurological and genito-urinary conditions. Offered for Pass/No Pass grading only. 378 lab hours arranged.

VNRS 172
Advanced Pharmacology
2 Units **Grade Only**
Prerequisite: VNRS 160.
Co-Requisite: VNRS 171L.

Fundamental principles of drug action and the application of specific drugs on the treatment of renal diseases for patients with alterations of respiration, circulation, the blood, endocrine function, neurological function, vision, and hearing. 36 lecture hours.

VNRS 173
Psychology for Vocational Nurses
2 Units **Grade Only**
Prerequisites: VNRS 161L, VNRS 162, VNRS 163, VNRS 164 and VNRS 165.
Co-Requisites: VNRS 170, VNRS 171L, VNRS 172 and VNRS 183.

Mental health care for patients and their families who are experiencing the pain of mental disorders. Teaches the nurse to plan and deliver care and provide health teaching so that effective self-care is possible when discharge occurs. 36 lecture hours.

VNRS 180
Pediatric Nursing
3.5 Units **Grade Only**
Prerequisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163, VNRS 164 and VNRS 165.

This course covers normal and abnormal conditions of the child from infancy through adolescence. It includes pediatric nursing experience in a local hospital, day care center, and/or clinic. 36 lecture hours, 90 lab hours.

VNRS 181
Growth and Development: Infancy-Adolescence
1 Unit **Grade Only**
Prerequisite: VNRS 160.

Basic knowledge of child development and guidelines for use in primary health care settings. This course may be taken two times. 18 lecture hours.

VNRS 182
Obstetrical-Gynecological Nursing
4 Units **Grade Only**
Prerequisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163, VNRS 164 and VNRS 165.

This course covers obstetrical and gynecological conditions of the female patient, with clinical experience in a local community hospital. 36 lecture hours, 126 lab hours.

VNRS 183

Leadership in Nursing

3 Units

Grade Only

Prerequisites: VNRS 160, VNRS 161L, VNRS 162, VNRS 163 and VNRS 164.
Co-Requisite: VNRS 171L.

Teaches advanced nursing students the theory needed to perform skills and procedures used by nursing team leaders in a clinical setting. 36 lecture hours, 54 lab hours.

Office Technology and Computer Applications (Business Department)

The Office Technology and Computer Applications program provides training for employment that encompasses a broad area of study which includes keyboarding, records management, business machine skills, office procedures, filing, word processing using Microsoft Word, scheduling using Microsoft Outlook, professional development skills, publishing, business math, telecommunications for the office, electronic commerce and an integration of Microsoft Word, Excel, Access and PowerPoint.

The Office Technology area within Citrus College Business Department conducts the program with state-of-the-art equipment and training in use of current office applications to prepare students for professional careers, transfer study, and/or personal use.

The program combines classroom lectures, demonstrations, and individual hands-on training in laboratory facilities. Faculty works closely with various industry sectors, professional organizations and businesses to ensure relevant training.

Office Technology Courses

(See also Accounting, Computer Science and Information Systems and Real Estate)

OFF 057

Computer Keyboarding

1 Unit

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course introduces touch keyboarding using a computer keyboard and is open to students with no previous keying experience. 18 lecture hours, 18 lab hours.

OFF 101

Introduction to Microsoft Office Applications

3 Units

Grade or P/NP

Strongly Recommended: OFF 057.

Introduction to Windows and Microsoft Office Suite applications. Computer applications include word processing, spreadsheets, database management, presentation graphics, scheduling/time management, and the Internet. This course may be taken two times. 54 lecture hours, 36 lab hours. CSU

OFF 120

Excel Spreadsheet

2 Units

Grade or P/NP

An introduction to Excel worksheets and workbooks. Include formatting, calculating sums, formulas, charts, enhancing the worksheet, and making decisions using the IF function, completing financial functions, data lists, and large workbooks using templates. 36 lecture hours. CSU

OFF 154

Professional Development Series- Interpersonal Skills

1 Unit

Grade or P/NP

This course provides you with an overview of the key elements needed to succeed in the workplace today. The topics discussed are people skills, persuading others, thinking on your feet, leading others, empowering others, coaching and mentoring others, acquiring political savvy, team-building, and handling conflict. 18 lecture hours.

OFF 155

Professional Development Series- Business Etiquette and Protocol

1 Unit

Grade or P/NP

This course introduces basic business and office etiquette to be successful in today's workplace. Areas of discussion are: business etiquette the basics, corporate dress and presentation, interacting with people, office etiquette, meetings, dining etiquette, drinking and eating etiquette, international customs and table manners, and other dos and don'ts. 18 lecture hours.

OFF 156

Professional Development Series: Team Dynamics

1 Unit

Grade or P/NP

This course introduces teamwork skills including: working in a team, essential elements of a team, how to be a good team player, how to participate in efficient team meetings, and team development. 18 lecture hours.

OFF 157

Professional Development Series: Customer Relations and Rapport

1 Unit

Grade or P/NP

This course will introduce basic customer relations skills including: customer service versus customer relations, employee responsibilities in customer relations, communications skills, telephone expertise, integrating new technologies, maximizing feedback channels, handling customer complaints, and incorporating public relations and marketing. 18 lecture hours.

OFF 158

Professional Development Series: Leadership in Organizations

1 Unit

Grade or P/NP

This course introduces basic leadership skills including: leadership dynamics, leadership responsibilities, leadership development, communication for leaders, leaders professional image, organizational management, strategic planning, and leader as a supervisor. 18 lecture hours.

OFF 159

Professional Development Series: Career Planning and Networking

1 Unit

Grade or P/NP

This course will introduce the basic concepts to researching careers, networking, job searching preparation for change and accepting the job offer. 18 lecture hours.

OFF 160

Professional Development Series: Professional Image

1 Unit

Grade or P/NP

This course provides an overview of the professional image which can have a profound effect on career advancement of the individual. Areas of discussions are: professional image, professional appearance, professional dress, wardrobe management, manners and etiquette for the professional, personal behavior, communicating professionally, and professional image development. 18 lecture hours.

OFF 161

Professional Development Series: Interview Styles & Strategies

1 Unit

Grade or P/NP

This course provides you with the elements needed to prepare for interviewing in today's businesses. Topics include: The Interview - what is and is not appropriate, frequently asked questions during the interviewing process, interviewing styles, strategies for planning and preparing, strategies for impressing and expressing throughout the interview process, strategies for handling tough questions/obstacles, strategies for assessing, critiquing, evaluating, and negotiating the deal. 18 lecture hours.

OFF 201
Introduction to Electronic Commerce for Business
2 Units **Grade or P/NP**

An overview of Electronic Commerce for Business. Topics include: definition of Electronic Commerce, interface design and web site promotion, building an electronic commerce store, electronic security, electronic payment systems, and careers in electronic commerce. 36 lecture hours, 18 lab hours.

OFF 215
Introduction to Microsoft Outlook
2 Units **Grade or P/NP**

An introduction to a scheduling and organizing program. Topics include creating and editing a calendar, contacts, task list, journal, notes, synchronizing personal digital assistant, and communicating with an electronic mail system. This course may be taken two times. 36 lecture hours.

OFF 260
Computer Keyboarding and Document Processing
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course introduces skills and techniques fundamental to touch keyboarding on a microcomputer. This course also introduces document processing of letters, memorandums, reports and tables and is open to students with no previous keying experience. This course may be taken two times. 54 lecture hours, 36 lab hours. CSU

OFF 281
Filing and Records Management
3 Units **Grade or P/NP**

An overview of records management which involves practical fundamentals of records management, basic filing principles, procedures, and systems. Emphasis is on non-correspondence records, information storage, and retrieval systems. Management aspects of records retention, disposition, and the operation of a records management program. 54 lecture hours.

OFF 291
Telecommunications for the Office
2 Units **Grade or P/NP**

An introduction to telecommunications media for the office. Includes using and managing electronic mail, using electronic bulletin boards, voice mail, video conferencing, facsimile machines, finding data through Netscape, using local and wide area networks, and the integration of voice, data, and video systems. 36 lecture hours, 18 lab hours.

OFF 294
Beginning Microsoft Word
2 Units **Grade Only**

An introduction to word processing concepts. Topics include: creating and editing text and printing office documents such as, letters from templates, research papers, resumes, mail merge, and newsletters. This course will also include proofreading and editing skills. This course may be taken two times. 36 lecture hours.

Physical Education
(Physical Education, and Athletics Department)

The courses in this department are organized with multiple goals in mind: 1. To provide individuals with skills in activities that they may enjoy for a life time, 2. To provide individuals with an understanding of and a means of maintenance of physical fitness, 3. To provide introductory course work for students wishing to enter the field, and 4. To provide a competitive experience through varsity sports for those students exhibiting exceptional physical talent.

Physical Education
Activity Courses

PE 101
Badminton
1 Unit **Grade or P/NP**

Development of skills necessary to participate in a game of badminton. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. Elementary: Development of basic badminton skills and knowledge with an emphasis on footwork, clear, drop, smash, serve, blocking the smash shot and basic strategies of singles, doubles and mixed doubles play. Intermediate: Intermediate techniques in badminton with an emphasis on skill development and the strategies of singles, doubles and mixed doubles play. 18 lecture hours, 18 lab hours. CSU;UC

PE 102
Bowling
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will provide a semi-competitive opportunity for the student with basic to advanced bowling skills. This program will provide an opportunity for the student to work on the fundamental and advanced skills of bowling. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 103
Golf
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will offer a non-competitive environment in which the student can develop the basic fundamentals of golf. Instruction will emphasize woods, long and short irons, bunker play, putting, golf terminology, rules and etiquette. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 104
Self-Defense and Personal Safety
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The theory and techniques of self-defense and personal safety. Content focuses on methods of recognizing and avoiding dangers plus skills and strategies of employing physical defense when necessary. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 106
Racquetball
1 Unit **Grade or P/NP**

Instruction and practice in the various fundamental skills of racquetball. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. Elementary: Basic racquetball skills are taught in serving, receiving, forehand and backhand. Rules and etiquette are taught. Intermediate: Designed to improve the skills of the intermediate player. Emphasis will be on improving the use of two and three walls in doubles and singles play. Advanced: Designed to apply and refine advanced skills and strategy. The intent is to maintain interest and perform at a higher level of skill. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 108
Tennis
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction will be concerned with individual growth of fundamentals and techniques of tennis that will allow the student to participate in a lifetime activity. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU;UC

PE 110
Shao-lin Kung Fu

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction in traditional Shao-lin long-fist kung fu, including basics, forms, self-defense and joint locks, as well as the philosophy relevant to martial arts and daily life. Repeat students have the option of testing for rank and advancing towards a black belt. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 112
Tai Chi Chuan

1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction in the 24-style of Tai Chi Chuan, a short form of the health exercise and martial art of tai chi. The course also covers Tai Chi Chuan philosophy and the application of Tai Chi Chuan to daily life. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 115
Snowboarding

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to teach the basic skills of snowboarding. The skills will include correct body position, turning, speed checking, stopping, getting up, and basic jumps. Discussion on selection of equipment, care of equipment, selection of apparel, safety tips, and back country survival will also be included. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 116
Yoga

1 Unit **Grade or P/NP**
This course focuses on the development of the body/mind through the use of specific Yoga postures, breathing techniques, stretches, mental exercises, and relaxation exercises. The goals are to instruct students to achieve greater concentration, self-discipline, and improved physical/emotional health through instruction and practice of these skills. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 130
Basketball

1 Unit **Grade or P/NP**
Techniques in basketball such as ball handling, passing, receiving, screening, cutting, shooting, team play and strategy of the game. Rules are included. This course

may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU;UC.

PE 132
Football

1 Unit **Grade or P/NP**
Techniques in football, such as passing, receiving, kicking, blocking and team play. Rules are included. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU;UC

PE 133
Soccer

1 Unit **Grade or P/NP**
Course designed to teach fundamentals of soccer and to develop physical stamina and neuromuscular coordination. Active participation will take place in interclass competition. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU;UC

PE 134
Softball

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction in the basic skills and techniques of play in softball. Each student will be required to understand the statistical aspect of the game. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU;UC

PE 135
Volleyball

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Instruction will be centered upon improving proficiency on the development of basic volleyball skills with an emphasis on setting, digging, serving, spiking and team strategies. Development of offensive and defensive strategies for doubles, 3 on 3, 4 on 4. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 136
Water Polo

1 Unit **Grade or P/NP**
Basic instruction will be given in the fundamental skills of water polo. Instruction

will emphasize passing, shooting, dribbling, conditioning, game strategy, and terminology. The course will include aquatic drills, scrimmages, and appropriate learning activities for the intermediate and advanced swimmer. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

Physical Education
Aquatic Courses

PE 141
Lifeguard Training

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to develop and perfect the basic swimming strokes needed to successfully execute the various lifesaving skills, as well as improve general skills and proficiency in the water. Upon completion of the course a student who successfully passes written and practical exams will be eligible to be certified for an American Red Cross Lifesaving and the American Red Cross CPR for the professional Rescuer Cards. 18 lecture hours, 18 lab hours. CSU;UC

PE 142
Swimming - Beginning

1 Unit **Grade Only**
This course provides basic instruction and practice in the fundamental elements of swimming including beginning diving and water safety instruction. The class is designed to develop proficiency in the basic strokes needed to meet the prerequisites for the senior lifesaving and water safety instruction course. 18 lecture hours, 18 lab hours. CSU;UC

PE 143
Swimming-Intermediate/Advanced

1 Unit **Grade Only**
Prerequisite: PE 142 or demonstrate swimming skills needed to perform at intermediate level instruction.

This course is designed to develop knowledge and skill in competitive swimming strokes. Swimming strokes to be taught are the American crawl, back stroke, breast stroke, and dolphin butterfly. The class will emphasize the development of cardiovascular aerobic conditioning. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 144
Water Safety Instructor

1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides an opportunity for the student to qualify for the American

Red Cross Safety Instructor Certificate. The class is designed to teach the student how to teach swimming on all levels as well as basic and advanced life saving. This class does not meet the requirements for P.E. activity classes. 18 lecture hours, 18 lab hours. CSU;UC

Physical Education Fitness Courses

PE 145
Strength Training, Balance and Agility
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Designed to introduce students to proprioceptive training. Proprioceptive training can improve balance, core strength, quickness, and agility and reduce the risk of injury. This type of training can benefit all movements performed in our daily life, not just those dealing with sports or athletic movements. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 146
Water Exercise
1 Unit **Grade or P/NP**
This class is designed to develop strength, flexibility, cardiovascular endurance, and coordination through water exercises. This class will help develop better posture and appearance through better understanding of body exercises and movement through performance. This course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 147
Swimming for Cardiovascular Improvement
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will emphasize swimming for health and physical fitness. The class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through the use of aerobic and anaerobic conditioning. Participating adults and others seeking a fitness program may expect to improve their overall fitness level through aquatic training. This course may be taken four times. 9 lecture hours, 27 lab hours. CSU;UC

PE 148
Adapted Aquatic Exercises
1 Unit **Grade or P/NP**
Prerequisite: Physician's written diagnosis of physical disability and exercise limitations.

Designed for the student with a physical disability who is unable to participate in regular physical education classes. A medical doctor's written prescription of exercise limitations is required. This course may be taken unlimited times with instructor's permission. 18 lecture hours, 36 lab hours. CSU;UC

PE 150
Adapted Physical Education
1 Unit **Grade or P/NP**
Prerequisite: A medical doctor's written prescription of exercise limitations.

Designed for the student with a physical disability who is unable to participate in regular physical education classes. A medical doctor's written prescription of exercise limitations is required. This course may be taken unlimited times with the instructor's permission. 18 lecture hours, 36 lab hours. CSU;UC

PE 151
Body Conditioning
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course will include general conditioning exercises, aerobic exercises, and exercises to develop flexibility and strength. This course may be taken four times with the objective of increasing and expanding the student's proficiencies and attitudes toward body conditioning through a supervised exercise program. 18 lecture hours, 18 lab hours. CSU;UC

PE 152
Weight Training
1 Unit **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is designed to develop both the large and small group skeletal muscles through a program of weight lifting, circuit training, power lifting, Olympic lifting, and conditioning. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. A student may not earn more than four units through the combination of PE 152 and 154. 18 lecture hours, 18 lab hours. CSU;UC

PE 153
Walking/Jogging
1 Unit **Grade or P/NP**
A Walking/Jogging program that consists of cardiovascular activity alternately at a slow to moderate pace. This program is designed to build cardio respiratory stamina and endurance, attack excessive weight, relieve psychological tension, and enhance one's sense of well being. This

course may be taken four times. 18 lecture hours, 18 lab hours. CSU;UC

PE 154
Advanced Weight Training
2 Units **Grade or P/NP**
Strongly Recommended: PE 152.

This course is designed to study methods applicable to power lifting, Olympic lifting, and conditioning. Students will participate in formulation of individual workout sessions. Emphasis will be on increasing strength, flexibility, and quickness. This course may be taken four times. 18 lecture hours, 54 lab hours. CSU;UC

PE 159
Cardiovascular Training
1 Unit **Grade or P/NP**

This course will offer a non-competitive, flexibly scheduled environment in which the student can develop a total fitness program. This program will promote areas of muscular strength, flexibility and cardiovascular endurance. A philosophy of "Fitness for Life" will be the ultimate objective. Every student will be encouraged to regulate his/her program so that it will be enjoyable on a long-term basis. This course may be taken four times. 9 lecture hours, 27 lab hours. CSU;UC

Physical Education Theory Courses

PE 169
Introduction to Coaching
3 Units **Grade Only**

This course is to study the different aspects of coaching including philosophies and techniques. It will provide the student with a basic understanding of coaching on all levels. The topics included will be recruiting, tryouts, pre and post season development, conditioning, weight training, practice organization, game strategies, motivation techniques, legal aspects, public relations, media, fundraising and ethics. 54 lecture hours. CSU;UC

PE 170
Fitness for Life
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course explains the mechanics of a proper exercise and diet program through lecture and exercise activities. Various forms of exercise will be presented for trial by each student to develop a personal fitness prescription. 54 lecture hours. CSU;UC

PE 171**Health Science****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to explore the major areas of health that will have an effect on the well-being of the individual now and in the future. 54 lecture hours. CSU;UC

PE 171H**Health Science - Honors****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to explore the major areas of health that will have an effect on the well-being of the individual now and in the future. Students are expected to work and participate at an honors level which includes strong critical thinking skills, through analysis of readings, presentation, and leadership skills demonstrated through class participation/presentation during the investigation of health/fitness topics. 54 lecture hours. CSU;UC

PE 172**Introduction to Physical Education****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course explores the history and principles of physical education, exercise science, and sport. The objectives are to define and investigate the importance of modern physical education with a view toward developing of a basic philosophy and background for professional education. 54 lecture hours. CSU;UC

PE 173**Nutrition for Fitness****3 Units****Grade Only**

This course is designed to provide knowledge about the basic principles of nutrition and to study the role nutrition plays in health promotion. 54 lecture hours. CSU;UC

PE 174**Introduction to Team Sports****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A course of study to give the student entering the field of physical education a survey and basic analysis of the team sports: football, baseball, basketball, softball, volleyball, soccer, badminton, tennis, swimming, water polo and track. 54 lecture hours. CSU;UC

PE 175**Introduction to Individual and Dual Sports****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A course of study to give the student entering the field of physical education a survey and basic analysis of individual sports: archery, badminton, bowling, golf, handball, karate, angling, skateboarding, swimming, tennis, track and field, weightlifting and wrestling. 54 lecture hours. CSU;UC

PE 176**Elementary School Physical Education****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An introductory course that will acquaint students with physical education programs for grades K-6. The course will include observation and visitation with elementary age students. The course will include methods, skills, and activities used in teaching elementary physical education. The class is recommended for elementary education and physical education majors. 54 lecture hours. CSU

PE 177**First Aid - Responding to Emergencies****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Complies with requirements as set forth by the American National Red Cross for first aid responding to emergencies. Students will receive the Responding to Emergencies and adult/child/infant CPR cards. 54 lecture hours. CSU;UC

PE 182**Care and Prevention of Athletic Injuries****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is an overview of sports medicine, intended for those students in the fields of physical education, coaching and athletic training. This course covers the basics of exercise physiology, biomechanics, human motor learning, sports injuries and other special topics in sports medicine. 54 lecture hours. CSU;UC

PE 184**Volleyball Theory****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course focuses on the biomechanical and technical analysis of intercollegiate volleyball. 36 lecture hours. CSU;UC

PE 185**Softball Theory****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course prepares the student to administer a softball program. It will include practice organization, administration, and live game strategy. 36 lecture hours. CSU;UC

PE 186**Baseball Theory****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course prepares the student to administer a baseball program. It will include teaching methods, practice organization, administration, scouting and live game strategy. 36 lecture hours. CSU;UC

PE 187**Techniques and Strategy of Intercollegiate Football****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A practical study of game techniques and strategy used in intercollegiate football, including techniques of offensive and defensive play. 36 lecture hours. CSU

PE 188**Basketball Theory****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Development of game techniques and strategy used in intercollegiate basketball. The course will also include teaching methods, practice organization, scouting and administration. 36 lecture hours. CSU;UC

PE 191**Theory of Intercollegiate Golf****2 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The course is designed to further the development of techniques and strategy of match and medal play for the serious intercollegiate golfer interested in competition. Understanding the proper use of technical golf rules and social courtesy in competitive play. 36 lecture hours. CSU;UC

PE 192**Aquatic Theory and Techniques****2 Units** **Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

Content focuses on the biomechanical and technical analysis of intercollegiate swimming and diving. 36 lecture hours. CSU;UC

PE 193**Track and Field Theory and Techniques****2 Units** **Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course prepares the student to administer a track and field program. It will include teaching methods, practice organization, administration and officiating at track and field meets. 36 lecture hours. CSU;UC

PE 194**Soccer Theory****2 Units** **Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course focuses on the biomechanical and technical analysis of intercollegiate soccer. 36 lecture hours. CSU;UC

**Physical Education
Athletics Courses****PE 156A****Physical Conditioning for Intercollegiate Sports****1 Unit** **Grade or P/NP****Prerequisites: Must be a varsity college athlete/ varsity college prospect or with coaches permission.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to provide an out of season physical conditioning program for the student interested in intercollegiate athletics. PE 156A and PE156B can be taken a combined total of four times. 9 lecture hours, 27 lab hours. CSU

PE 156B**Physical Conditioning for Intercollegiate Sports****2 Units** **Grade or P/NP****Prerequisites: Must be a varsity college athlete/ varsity college prospect or with coaches permission.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course is designed to provide an out of season physical conditioning program for the student interested in intercollegiate athletics. PE 156A and PE 156B can be

taken a combined total of four times. 18 lecture hours, 54 lab hours. CSU

PE 160A**Advanced Physical Conditioning for Intercollegiate Sports****1 Unit** **Grade or P/NP****Strongly Recommended: PE 156A.**

This course is designed to provide an out of season physical conditioning program for the second season intercollegiate student athlete. PE 160A and PE 160B can be taken a combined total of four times. 9 lecture hours, 27 lab hours. CSU

PE 160B**Advanced Physical Conditioning for Intercollegiate Sports****2 Units** **Grade or P/NP****Prerequisites: A second season varsity college athlete or with coaches permission.****Strongly Recommended: PE 156A.**

This course is designed to provide an out of season physical conditioning program for the second season intercollegiate student athlete. PE 160A and PE 160B can be taken a combined total of four times. 18 lecture hours, 54 lab hours. CSU

PE 207A**Off-Season Men's Varsity Athletics****0.5 Units** **Grade or P/NP****Prerequisites: Must be a college varsity athlete/college varsity prospect or with coaches permission.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity athletics. 207A and 207B can be taken a combined total of four times. 45 lab hours.

PE 207B**Off-Season Men's Varsity Athletics****1 Unit** **Grade or P/NP****Prerequisites: Must be a varsity college athlete/varsity college prospect or with coach/instructor permission.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course provides intermediate and advanced instruction and practice in the practice skills and strategies of varsity athletics. PE 207A and B can be taken a combined total of four times. 90 lab hours.

PE 208A**Off-Season Women's Varsity Athletics****0.5 Units** **Grade or P/NP****Prerequisites: Must be a varsity college athlete/varsity college prospect or with coach/instructor permission.****Strongly Recommended: READ 099 if required by reading placement exam****or if required by reading level.**

This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity athletics. PE 208A and 208B can be taken a combined total of four times. 45 lab hours.

PE 208B**Off-Season Women's Varsity Athletics****1 Unit** **Grade or P/NP****Prerequisites: Must be a varsity college athlete/varsity college prospect or with coach/instructor permission.****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The course provides intermediate and advanced instruction and practice in the skills and strategies of varsity athletics. PE 208A and 208B can be taken a combined total of four times. 90 lab hours.

PE 209**Women's Varsity Soccer****2 Units** **Grade or P/NP****Strongly Recommended: Advanced Soccer skills to participate in a competitive collegiate experience.**

Intercollegiate competition in women's varsity soccer. This course may be taken four times. 160 lab hours. CSU;UC

PE 210**Women's Varsity Tennis****2 Units** **Grade or P/NP****Strongly Recommended: advanced tennis skills to participate in a competitive collegiate experience.**

Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 211**Women's Varsity Volleyball****2 Units** **Grade or P/NP****Strongly Recommended: advanced volleyball skills to participate in a competitive collegiate experience.**

Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 212**Women's Varsity Swimming****2 Units** **Grade or P/NP****Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.**

Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 213
Women's Varsity Basketball
2 Units **Grade or P/NP**
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 214
Women's Varsity Softball
2 Units **Grade or P/NP**
Strongly Recommended: Advance softball skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 215
Women's Varsity Track and Field
2 Units **Grade or P/NP**
Strongly Recommended: Advanced Track and Field skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 216
Women's Varsity Cross Country
2 Units **Grade or P/NP**
Strongly Recommended: Advanced cross country skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 220
Men's Varsity Football
2 Units **Grade or P/NP**
Strongly Recommended: Advanced football skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 221
Men's Varsity Basketball
2 Units **Grade or P/NP**
Strongly Recommended: Advanced basketball skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 222
Men's Varsity Track and Field
2 Units **Grade or P/NP**
Strongly Recommended: Advanced Track and Field skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 223
Men's Varsity Tennis
2 Units **Grade or P/NP**
Strongly Recommended: Advanced Tennis skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 224
Men's Varsity Baseball
2 Units **Grade or P/NP**
Strongly Recommended: Advanced baseball skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 225
Men's Varsity Golf
2 Units **Grade or P/NP**
Strongly Recommended: Advanced golf skills to participate in a competitive collegiate program.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 226
Men's Varsity Cross Country
2 Units **Grade or P/NP**
Strongly Recommended: Advanced Cross Country skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 227
Women's Varsity Golf
2 Units **Grade or P/NP**
Strongly Recommended: Advanced golf skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours.

PE 228
Men's Varsity Swimming
2 Units **Grade or P/NP**
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 229
Men's Varsity Water Polo
2 Units **Grade or P/NP**
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 230
Women's Varsity Water Polo
2 Units **Grade or P/NP**
Strongly Recommended: Advanced swimming skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

PE 231
Men's Varsity Soccer
2 Units **Grade or P/NP**
Strongly Recommended: Advanced soccer skills to participate in a competitive collegiate experience.
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times. 160 lab hours. CSU;UC

Philosophy (Social Sciences Department)

The knowledge of logic, ethics and the history of philosophy provides a means of systematizing, assimilating and evaluating masses of knowledge and the development of perspective. A study of philosophy provides a valuable background for any student interested in social or natural sciences, or humanities and particularly in law, theology and education.

Philosophy Courses

PHIL 101
Great Religions of the World
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.
The historical development, principal ideas

and contributions of the world's religions. 54 lecture hours. CSU;UC

PHIL 106

Introduction to Philosophy

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The foundations of philosophy in terms of modes of critical thinking, significant philosophical problems, and a representative sampling of primary philosophical writings. 54 lecture hours. CSU;UC

PHIL 106H

Introduction to Philosophy - Honors

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A critical examination of fundamental concepts such as: religion; morality; mind and body; causality and free will; objectivity and subjectivity; life and death. This is a degree-applicable, introductory level course for honors students. Students are expected to work and participate at an honors level, which includes strong critical thinking skills, thorough analysis of philosophical writings, and presentation skills as demonstrated by leading a seminar discussion. 54 lecture hours. CSU;UC

PHIL 108

Philosophy/Ethics

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A critical analysis of concepts of the good life and of morality as articulated by great philosophers, with the aim of cultivating awareness of the importance of a reasoned approach to such questions in one's own life. 54 lecture hours. CSU;UC

PHIL 110

Philosophy/Logic

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course introducing fundamental problems and principles of formal and informal logic, featuring proofs of validity, deductive and inductive reasoning, and detection and analysis of fallacies. 54 lecture hours. CSU;UC

Photography (Fine Arts Department)

Prepares students to enter the field of professional photography with the ability to become successful business people and highly valued employees. Career choices include working as commercial advertising

photographers, corporate photographers, portrait and wedding photographers, photographic lab technicians.

Photography Courses

PHOTO 101

Basic Photography

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Fundamental still photography with emphasis on planning a photograph, choice of camera, choice of films and papers, use of natural and artificial light, function of lenses and shutters, and techniques for processing sensitized materials. Also basic computer skills. This course may be taken two times. 36 lecture hours, 90 lab hours. CSU;UC Lab Fee: \$30.

PHOTO 102

Intermediate Photography

3 Units **Grade or P/NP**
Prerequisite: PHOTO 101.

Provides emphasis on lighting, control of lighting and subject contrast, advanced composition and photographic print quality. Students will acquire intermediate level digital image processing skills. 36 lecture hours, 90 lab hours. CSU, UC Lab Fee: \$30.

PHOTO 103

Advanced Photography

3 Units **Grade or P/NP**
Prerequisite: PHOTO 102.

A study of black and white photographic techniques introducing advanced methods and medium and large format as applied to commercial and industrial careers working with more specialized equipment. This course may be taken four times with a gap of one year between repeats. 36 lecture hours, 90 lab hours. CSU. Lab Fee: \$30.

PHOTO 110

Photography Lab

1 Unit **Grade or P/NP**
Prerequisite: PHOTO 101 or Corequisite: PHOTO 101.

Extended black and white laboratory experiences to supplement those available in the regular program. Provides opportunities for students to pursue more advanced projects and experiments. The student who repeats this course will be gaining an expanded educational experience through supervised participation and instruction. This course may be taken four times. 54 lab hours.

PHOTO 125

Photography as an Art Medium

3 Units **Grade or P/NP**
Prerequisite: PHOTO 102.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Develop skills in the use of graphic arts processes and materials as well as photo techniques currently used by professional photographers, commercial artists, fashion illustrators, cinematographers, and graphic designers. This course can be taken four times. 36 lecture hours, 54 lab hours. CSU;UC. Lab Fee: \$30.

PHOTO 126

Advanced Photography as an Art Medium

3 Units **Grade or P/NP**
Prerequisite: PHOTO 125.

A continuation of PHOTO 125. Provides more advanced techniques and materials relevant to the photography industry today. Manipulation of photographic materials will produce posterized, bas-relief and multiple-image high contrast prints. 36 lecture hours, 54 lab hours. CSU

PHOTO 202

Photojournalism

3 Units **Grade or P/NP**
Strongly Recommended: PHOTO 101.

Covers the theory and practice of news photography. Students will capture digital images of live situations on campus and in nearby communities. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU. Lab Fee: \$30.

PHOTO 205

Color Photography

3 Units **Grade or P/NP**
Prerequisite: PHOTO 101.

Deals with properly exposing and processing color film and color print materials. Instruction covers use of cameras, films, filters, color temperature meter, exposure, lighting equipment, and color analysis for color printing. 36 lecture hours, 90 lab hours. CSU

PHOTO 206

Intermediate Color Photography

3 Units **Grade or P/NP**
Prerequisite: PHOTO 205.

Provides instruction in use of flash equipment, experimental photography, prints from slides, slide copying, making inter-negatives, control of color temperature, and lighting and subject contrast. 36 lecture hours, 90 lab hours. CSU

PHOTO 211

Environmental Photography

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Articulates the principles of individual lighting and group posing in a variety of outside locations as they apply to professional photography. 54 lecture hours, 36 lab hours. CSU

PHTO 213

Studio Portraiture

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Articulates the principles of portrait lighting and posing, inside and outside the studio as they apply to professional photography. 36 lecture hours, 36 lab hours.

PHTO 215

Electronic Photo Imaging

3 Units

Grade or P/NP

Strongly Recommended: PHTO 101 and PHTO 205.

A course introducing electronic imaging using Adobe Photoshop 5.5. This course will cover scanning of negatives and photographs. How to save these images on disk. Utilization of tools for modification, special effects filters, scaling of image, and printing. The use of digital cameras will be covered. This course may be taken three times. 36 lecture hours, 90 lab hours. CSU

Physics

(Physical Sciences Department)

Several sequences of physics courses are offered to meet the requirements of various majors. PHYS 110 meets the need of the two-year nursing student and the two-year technology student. It is also suitable for students who need credit for physical science transfer. PHYS 111 and 112 meet the needs of pre-medical, pre-dental, pre-forestry, four-year technology, four year nursing, and architecture majors. PHYS 201, 202, and 203 meet the needs of engineering, mathematics, chemistry, physics, geology, and oceanography majors.

Physics Courses

PHYS 105

Physical Science

3 Units

Grade Only

A general science course for non-majors that introduces fundamental concepts in physics, astronomy, and geology by integrating scenes from science fiction films. 54 lecture hours. CSU;UC

PHYS 106

Physical Science for Educators

4 Units

Grade Only

Prerequisite: MATH 130 or

Co-Requisite: MATH 130.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides each prospective multiple subject teacher with an introductory survey of the fundamental concepts of chemistry and physics and the relationships among these disciplines. Emphasis is placed on the ways in which chemistry and physics affect everyday life. This course is recommended for students planning to take the CSET Multiple Subject Exam to become credentialed elementary school teachers in the State of California. This course is the same as CHEM 106. 54 lecture hours, 54 lab hours. CSU

PHYS 110

Introduction to College Physics

4 Units

Grade Only

Strongly Recommended: MATH 130.

Also, READ 099 if required by reading placement exam or if required by reading level.

A general physics course for non-majors that explores fundamental principles of the physical world: kinematics, fluid dynamics, thermodynamics, electricity, electromagnetism, sound propagation, and optics. 54 lecture hours, 72 lab hours. CSU;UC

PHYS 111

Physics for Life Sciences I

4 Units

Grade Only

Prerequisite: MATH 151 or

Co-Requisite: MATH 151.

The first in a two-course sequence in algebra/trigonometry-based physics including mechanics, energy, matter and thermodynamics with an emphasis on how these concepts apply to biological systems. This course is designed for students planning to enter medicine, dentistry, pharmacy, optometry, forestry, and (4 year) nursing.

PHYS 112

General Physics

4 Units

Grade Only

Prerequisites: PHYS 111 and MATH 162.

A course in college physics including static electricity, direct current electricity, alternating electricity, optics, atomic physics, quantum mechanics, and nuclear physics. The basics of the calculus are used to derive and solve some problems. 54 lecture hours, 54 lab hours. CSU;UC

PHYS 201

Physics

5 Units

Grade Only

Prerequisites: MATH 175, MATH 190 or

Co-Requisite: MATH 190.

Fundamental principles of mechanics, vectors, motion, work, energy, momentum, and rotational motion. Required of all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU;UC

PHYS 202

Physics

5 Units

Grade Only

Prerequisites: PHYS 201 and MATH 190 MATH 191 or

Co-Requisite: MATH 191.

Electricity and magnetism. Required of all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU;UC

PHYS 203

Physics

5 Units

Grade Only

Prerequisites: PHYS 201, and MATH 190 or MATH 191 or

Co-Requisite: MATH 191.

Heat, light, and modern physics. Required of majors in engineering, physics, chemistry, and some geology majors. 72 lecture hours, 54 lab hours. CSU;UC

Political Science

(Social Sciences Department)

Political science seeks to contribute toward an understanding of democracy, and toward equipping the student to fulfill the obligations of citizenship. While political science courses should first be viewed as essential elements of a balanced education, majors in the field ultimately can look to careers in politics, law, teaching, civil service, public administration and the foreign service.

Political Science Courses

POLI 103

American Government and Politics

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. 54 lecture hours. CSU;UC

POLI 103H**American Government and Politics - Honors****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. Students are expected to work and participate at an honors level which includes demonstrating strong critical thinking skills through analysis of social scientific literature and original research in a seminar style class format. 54 lecture hours. CSU;UC

POLI 104**Introduction to Political Science****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An introduction to the principles and practices of government. Political theories and contemporary ideologies; nature of the state; constitution and law; public opinion; mass media; the nature of foreign policy and international politics. 54 lecture hours. CSU;UC

POLI 105**Comparative Politics****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An introductory course to acquaint students with the types of governmental systems which people establish in their various localities around the world and the competing values that tend to result in conflicts between opposing groups of people. An in-depth analysis of contending political ideologies, electoral procedures, and governing institutions is the course's main focus. This course is structured to provide a regional and comparative approach to the study of politics at the global level. 54 lecture hours. CSU;UC

POLI 110**Current American Political Affairs****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A review and study of the major political issues of the day, and their relationship to the institutions of American Government. Among the important topics considered: law and order, the news media, war and peace, civil rights, confidence in government, and racial and cultural minorities. 54 lecture hours. CSU;UC

POLI 116**International Relations****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

An examination of basic theories of international relations and their relevance to contemporary world politics. 54 lecture hours. CSU;UC

Psychology**(Behavioral Sciences Department)**

Psychology is the scientific study of behavior and cognitive processes. It is, therefore, of particular interest – and unique value – because it informs us of ourselves, the nature of what it is to be human. Psychology coursework, with its wide applicability, satisfies categories of general education and transfer to the California State University system, University of California system, and private universities. Further, the Psychology Program provides much of the lower-division major preparation in psychology and many related fields.

Psychology Courses**PSY 101****Introduction to Psychology****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

The course is an introduction to psychology as an empirical science involving a synthesis of theory and research within the domains of behavior, cognition and affect. Students are expected to work and participate using critical thinking skills, thoughtful analysis/synthesis of readings, presentations and discussions within the class environment. 54 lecture hours. CSU;UC

PSY 102**Psychobiology****3 Units****Grade or P/NP****Prerequisite: PSY 101.****Strongly Recommended: BIOL 104 or BIOL 105.**

Study of the effects of biology upon behavior, the relationship between psychological processes and the nervous system, muscular, and glandular features of the response mechanism, and the structure and functions of the sense organs. 54 lecture hours. CSU;UC

PSY 103**Elementary Statistics****3 Units****Grade or P/NP****Strongly Recommended: MATH 150.****Also, READ 099 if required by reading****placement exam or if required by reading level.**

An elementary course in basic statistical concepts designed especially for students in the social science area. The development of basic skills in descriptive statistics and inferential statistics is stressed. Reliability and validity problems when generalizing from samples to population will be considered. 54 lecture hours. CSU

PSY 110**Psychology of Religion I****3 Units****Grade Only****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course explores the connection between psychology and religion. It focuses on how different schools of psychological thought view and interpret religious concepts and experiences. The major psychological perspectives that are studied include: Psychoanalytic theory, Behavioristic and Humanistic theories. The psychological culture in terms of parallel and the quest for pro-social behaviors will be studied. 54 lecture hours. CSU;UC

PSY 111**Psychology of Religion II****3 Units****Grade or P/NP****Prerequisite: PSY 110.**

This course expands the concepts, dialogue, and research in the connection of religion to psychological health and well-being introduced in PSY 110. Cross topical themes of psychology of religion are presented. 54 lecture hours. CSU;UC

PSY 133**Personal and Social Growth****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

This course aims to assist students in achieving a foundation in the study of personal and social growth behavior and a better understanding of themselves and human relationships. The principles of healthy functioning are emphasized. 54 lecture hours. CSU

PSY 152**Psychology of Human Relations****3 Units****Grade or P/NP****Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.**

A course dealing with the various problems that arise in the manifold relationships which exist between human beings. 54 lecture hours. CSU

PSY 203**Research Methods in Psychology****3 Units****Grade Only****Prerequisite: PSY 101, MATH 165 or**

Co-Requisite: MATH 165.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course in research methodology designed for students in the behavioral and social sciences. The application of basic skills in descriptive and inferential statistics is stressed, as well as critical analysis of experimental and non-experimental research methods in basic and applied research settings. 36 lecture hours, 54 lab hours. CSU;UC

PSY 205
Developmental Psychology
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Developmental Psychology is the scientific study of progressive changes in behavior, cognition, and abilities. Attention is paid to issues related to the roles of nature and nurture in developmental processes. 54 lecture hours. CSU;UC

PSY 206
Child Growth and Development
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will critically examine theories of child development in the physical, intellectual and social-emotional areas as they pertain to the various ages and stages in a child's life from the prenatal development through adolescence. Practices in care giving, teaching, and parenting that derive from diverse cultural and theoretical perspectives will be analyzed. Students will learn to observe and assess children's development and gain insight into the impact of culture on the process of socialization. 54 lecture hours. CSU;UC

PSY 206H
Child Growth and Development - Honors
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is a sequential approach to studying growth and development from conception through adolescence. This course includes: methods of studying children; principles and theories of development including the cognitive, physical, social, and emotional developmental processes; nature (genetics) vs. nurture; the parenting process; importance of play and toys; exceptional children; child abuse, and the influences of family, peers, and schooling. Students are expected to participate at an honors level which includes strong critical thinking and writing skills as well as thorough analysis of course material. 54 lecture hours. CSU;UC

PSY 212
Abnormal Psychology
3 Units **Grade or P/NP**
Prerequisite: PSY 101.

The purpose of this course is two fold: (1) A description of the various mental disorders as listed in current DSM (2) An investigation of the various therapies used in treatment for these disorders. 54 lecture hours. CSU;UC

PSY 213
Survey of Drug and Alcohol Use and Abuse
3 Units **Grade or P/NP**
Prerequisite: PSY 101.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This survey course includes drug classification, drug physiology and psychopharmacology, theories of addiction, history and theories of treatment, dual diagnosis, drug testing and social policy, recovery and rehabilitation, and other related topics. 54 lecture hours. CSU;UC

PSY 220
Introduction to Social Psychology
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the study of social psychology emphasizes the nature of socially determined behavior as seen in the areas of conformity, propaganda, prejudice, social roles, social process, social perception, and culturally determined personality. 54 lecture hours. CSU;UC

PSY 225
Psychology of Human Sexuality
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory survey of the psychological bases and dimensions of human sexuality with emphasis on the socio-cultural factors involved in intimate relating, sexuality, and loving. 54 lecture hours. CSU;UC

PSY 226
Psychology of Women
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A bio-cultural analysis of women. Emphasis will be placed on biological, psychological and sociological factors influencing the development of women from birth to death. Evaluation of data, principles and contemporary gender issues in terms of the implications for personal and social change. 54 lecture hours. CSU;UC

PSY 250
Honors Topics Seminar
0.5 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Corequisite: Enroll in approved course as determined by the honors program.
Seminar is designed to enhance the learning experience for students enrolled in traditional sections of courses when an honors section is not available. Seminar will feature the additional academic components needed to achieve honors credit. Instructor/student contact is required. This course may be taken four times. 27 lab hours. CSU

Public Works (Public Services Department)

These course offerings prepare new personnel for public works occupations and provide upgrading within these occupations. Job opportunities exist in both the public and private sectors.

Public Works Courses

PUB 150
Public Works I
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Basic course in street maintenance covering the materials utilized; a review of equipment and techniques used in their applications. Other subjects include street tree programs, street painting and signs programs, street sweeping, weed control, watershed management, and other related subjects. 54 lecture hours.

PUB 151
Street Construction and Maintenance
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in street maintenance covering materials and methods, with emphasis on preventive maintenance of asphaltic and Portland Cement concrete pavements. Specifications, records and cost accounting systems, as well as revenue sources and budget preparation, will be reviewed. Other subjects include safety, drainage, equipment records and specifications, review of watershed management, and public relations. Codes which pertain to improvements and repair will be reviewed. 54 lecture hours.

PUB 154**Soils - Trenching and Grading**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The course will cover the identification and classification of soils: the soils suitable for pavements, the various soil tests, and the application of these tests in the construction and maintenance of public works projects to achieve the desired outcome. 54 lecture hours.

PUB 155**Public Works Inspection**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A comprehensive course in public works inspection, including Portland cement concrete, asphaltic concrete, soils, base and sub grade materials. Contracts and specifications and plans will be discussed. Utilities, including underground water, sewer and storm drains will be covered, with emphasis on the safety aspects of trenching, tunneling and jacking. Responsibilities of the contractor, the engineer, the inspector and the owner will be included. Surveying and staking will be reviewed. Prime consideration will be given to inspection records, duties and job diary techniques. 54 lecture hours.

PUB 156**Concrete Structures and Inspection**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level and MATH 115 or higher.

An advanced course in public works inspection covering Portland cement concrete culvert and bridge construction beginning with the field work of site preparation, structural excavation, concrete footings, "false work" structures, structural and reinforcing steel, and concrete placement. Prime considerations will be given to inspection reporting, records, and new advances in technology. 54 lecture hours.

PUB 157**Asphalt and Portland Cement**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A comprehensive course in asphaltic concrete and Portland Cement concrete construction technology following the standards of the Asphalt Institute, standard specifications for public works construction, American Concrete Institute and the Portland Cement Association. Included will be design production, placement, consolidation and compaction of the materi-

als. Evaluation of surface defects, maintenance and safety will be covered. 54 lecture hours.

PUB 158**Municipal and Urban Tree Care**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in tree care for persons working in public works or private industry: tree anatomy, physiology, pruning, cabling, identification, root structure and its effects on infrastructure, soil management and irrigation. The course is designed to prepare students to pass the Tree Worker Certification exam given by Western Chapter, International Society of Arboriculture. WCISA contact hours available upon successful completion. 54 lecture hours. CSU;UC

PUB 159**Urban Forest Management Planning**

3 Units **Grade or P/NP**
Strongly Recommended: One or more Public Works classes.

This course will guide students in developing an urban forest management plan. It is intended for those who manage populations of trees: municipalities, golf courses, educational institutions, public gardens, and property managers. Plans will be based on interdisciplinary activities that influence and are related to urban forest activities. Students will create a ready-to-use management plan and receive peer review. 54 lecture hours.

PUB 160**Public Administration**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A basic course covering the development of the role of public works; the constraints of operation; techniques of administration in planning, finance, and personnel; the traditional model of public works organization and new advances in technology. 54 lecture hours.

PUB 161**California Occupational Safety and Health**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course covering California Occupational Safety and Health standards and the National Occupational Safety and Health Act of 1970 as applied to public works. The safety standards for excavations, trenches, tunnels, rock drilling, construction and hauling equipment, flammable vapors, and toxic substances. 54 lecture hours.

PUB 162**Traffic Control Standards, Practices, and Policies**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course provides a greater awareness and appreciation of the unique design, installation, and maintenance techniques required for the proper control and regulation of traffic according to the Manual on Uniform Traffic Control Devices (MUTCD). For public works personnel. 54 lecture hours. CSU;UC

PUB 164**Plan Interpretation and Cost Estimating**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in developing the ability to read and interpret plans and estimate time, material, labor and equipment needed for public works projects. 54 lecture hours.

PUB 165**Environmental Management in Public Works**

3 Units **Grade or P/NP**
Strongly Recommended: PUB 150.

This course is an overview of environmental issues in Public Works. Topics include water quality, watershed management, integrated waste management, air pollution control, regulatory compliance, sustainability, and related issues. 54 lecture hours. CSU

PUB 166**Supervision in Public Works**

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Fundamentals of supervision focusing on the public works industry. Topics to be covered include communications, employee orientation and training, motivating employees, decision making, performance appraisal writing, and disciplinary action. 54 lecture hours.

Reading & College Preparation (Language Arts Department)

The Reading and College Preparation program is a combination of developmental education (basic skills/college preparatory) courses and college courses which supports students in college classes where a competent level of reading skill is required for student success.

Reading Courses

READ 019 Literacy Skills **3 Units** Grade or P/NP

This course is designed for students who need a non-competitive environment to develop basic literacy skills including decoding, vocabulary acquisition, and literal comprehension. This course may be taken two times. 54 lecture hours.

READ 040 Basic Reading Skills **3 Units** Grade Only **Prerequisite:** READ 019 or Placement based on multiple measure assessment.

Development of basic reading strategies which focus on word analysis, vocabulary development, ability to respond orally and in writing to materials read independently from a variety of textual complexities, patterns, and forms including reference, informational, persuasive and literary genres. Designed primarily for students preparing for READ 099 if required by reading placement exam or if required by reading level. . NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION. 54 lecture hours.

READ 099 Reading Skills **3 Units** Grade or P/NP **Prerequisite:** READ 040 and/or placement at the READ 099 level as defined by the College and/or successful completion with a C or better in ESL 054, as a result of previous Accuplacer placement in ESL.

An introduction to the fundamental techniques of college reading designed to develop student's literal and inferential comprehension while extending critical reading/thinking skills. This course meets the graduation reading competency requirement. 54 lecture hours.

READ 120 College Reading **3 Units** Grade or P/NP **Placement based on multiple measures or successful completion of READ 099.**

This course is designed to develop students' literal, interpretative, and critical comprehension; expand their vocabulary; increase their reading speed; and improve their study skills. 54 lecture hours. CSU

Real Estate (Business Department)

The Real Estate Program encompasses an area of study which includes real estate principles, pre-license, finance, legal aspects, appraisal, practice, property management, escrow, and investment analysis.

The Real Estate Program within the Citrus College Business Department prepares students for professional careers and offers courses that are transferable for credit to four year colleges and universities. The program combines classroom lectures, demonstrations, and individual hands-on training in work-experience settings. The faculty works closely with various industry sectors and professional organizations.

Real Estate Courses (See Also Accounting, Business & Office Technology & Computer Applications)

REAL 210 Real Estate Principles **3 Units** Grade Only **Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level.

A basic course for those who plan to enter the real estate field vocationally or who desire a background in the subject. Topics include: economics, history, financing, deeds, leases, and partial preparation for California Real Estate Salesperson License Examination. 54 lecture hours. CSU

REAL 212 Real Estate Practice **3 Units** Grade Only **Prerequisite:** REAL 210.

The activities of the broker and salesman in the real estate business; the real estate office, listings, valuation of properties, prospecting, advertising, exchanges, property management, land utilization and development, handling sales people, and ethical considerations. This course is required to obtain California Real Estate License. 54 lecture hours. CSU

REAL 214 Real Estate Finance **3 Units** Grade Only **Prerequisite:** REAL 210.

Principles of real estate finance are surveyed with particular emphasis on home financing. Included are instruments of real estate finance, sources of financing, techniques of loan origination and servicing,

plus the role of the federal and state governments. This course is required to obtain California Real Estate Broker License. 54 lecture hours. CSU

REAL 216 Legal Aspects of Estate Practice **3 Units** Grade Only **Prerequisite:** REAL 210.

An introductory course designed to acquaint the student with the legal aspects and current laws pertaining to real estate. This course is required to obtain California Real Estate Broker License. 54 lecture hours. CSU

Recording Technology (Fine Arts Department)

This is a one year audio recording program intended to teach you the basis of how to engineer any kind of music, from hip-hop to classical to movie scenes.

Recording Technology Courses

REC 100 Survey of Entertainment Technology **4 Units** Grade Only **Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level.

This course is an introduction to conventional and online entertainment technology. Includes exploring the content and creation of recorded music, television, radio, live theatre, film, video and electronic gaming: lecture, demonstration, field trips and guest professionals; media creation. 72 lecture hours.

REC 102 Record Production Basics **4 Units** Grade Only

This is a course in the study and implementation of production techniques for the music industry. Students will develop a selected project from an initial concept to a finished product. 36 lecture hours, 108 lab hours.

REC 103 Introduction to Audio Engineering **4 Units** Grade Only **Strongly Recommended:** READ 099 if required by reading placement exam or if required by reading level.

This course is an introduction to the current technology, terminology and techniques used in audio engineering for recorded music, video and online media. Includes the history of audio, basic audio electronics, microphones, consoles, computer-based production systems and related signal processors. 54 lecture hours, 72 lab hours.

REC 105
Fundamentals of Audio Technology
4 Units **Grade Only**
Prerequisites: REC 100, REC 103 and REC 140.

This course is an introduction to audio technologies and recording techniques. Units include computer basics for audio production, the production console, microphones, digital recording systems, signal processing, and studio techniques. 54 lecture hours, 72 lab hours.

REC 115
Recording Studio Workshop I
4 Units **Grade Only**
Prerequisites: REC 100, REC 103 and REC 140.

This applied workshop course provides an introduction to basic audio hardware, software and recording techniques. Units include digital audio workstation set-up and operation, basic microphone techniques, software and hardware-based recording and mixing. 54 lecture hours, 72 lab hours.

REC 125
Digital Audio Technology I
3 Units **Grade Only**
Prerequisites: REC 100, REC 103 and REC 140.

Strongly Recommended: SPCH 100 or have passed a Multiple Measures Skills assessment.
This course is the study and implementation of MIDI technology in the audio recording industry. The course covers standard software sequencers, controllers, modules, soft-synths and applications of the technology in the industry. 54 lecture hours, 36 lab hours.

REC 135
Live Sound Reinforcement
4 Units **Grade Only**
Co-Requisite: REC 105 or THEA 120.

This course focuses on the basic elements of sound reinforcement: acoustics, equalization, microphone placement, and mixing techniques. The major emphasis is on the acoustics, speaker and microphone placement and the effects on the final sonic product. 54 lecture hours, 72 lab hours arranged.

REC 140
Music Theory for Engineers
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course in music theory for the Recording Technology major. A study of the elements of music including melody, rhythm, chords, musical forms, and related concepts. Music notation, terminology, rehearsal techniques and score reading is emphasized. 54 lecture hours.

REC 145
Critical Listening Skills for Engineers
3 Units **Grade Only**
Prerequisites: REC 100, REC 103 and REC 140.

Co-Requisites: REC 105, REC 115, REC 125 and REC 135 or have passed a Multiple Measures Skills assessment.

A course in aural skills development for recording engineers. This class will focus on music, acoustic and electronic timbres, general instrument ranges and sonic properties, blend, balance, equalization, panning, reverb, compression, limiting and other tools used in the recording process. 54 lecture hours.

REC 205
Advanced Audio Technology
4 Units **Grade Only**
Prerequisites: REC 105, REC 115, REC 125, REC 135 and REC 145.

Co-Requisites: REC 215, REC 225, REC 235 and REC 245.
This course is an advanced study of new technologies and techniques in multi-track recording, editing and mixing, as well as surround recording and mixing for post-production. 54 lecture hours, 72 lab hours.

REC 215
Recording Studio Workshop II
4 Units **Grade Only**
Prerequisites: REC 105, REC 115, REC 125, REC 135 and REC 145.

Co-Requisites: REC 205, REC 225, REC 235 and REC 245.
This course is a project-based course intended to solidify the core principles of audio. Projects will include recording, mixing and mastering, post-production and surround mixing techniques. 54 lecture hours, 72 lab hours.

REC 225
Digital Audio Technology II
4 Units **Grade Only**
Prerequisites: REC 105, REC 115, REC 125, REC 135 and REC 145.

Co-Requisites: REC 205, REC 215, REC 235 and REC 245.
This course focuses on the detailed workings of digital audio as a whole, and specifically on the ProTools platform. This is a detailed class in all aspects of digital audio inclusive of tracking, mixing, repair techniques, and plug-ins. 54 lecture hours, 72 lab hours.

REC 235
Acoustics for Engineers
3 Units **Grade Only**
Prerequisites: REC 105, REC 115, REC 125, REC 135 and REC 145.

Co-Requisites: REC 205, REC 215, REC 225 and REC 245.
This course is a study of Acoustics principles and the physics of sound. It includes

sound propagation, hearing and sound perception, room resonances, acoustic calculations, studio design and acoustical treatments. 54 lecture hours.

REC 245
Music Business/Audio Careers
3 Units **Grade Only**
Prerequisites: REC 105, REC 115, REC 125, REC 135 and REC 145.

Co-Requisites: REC 205, REC 215, REC 225 and REC 235.
This is a survey focusing on the practices and procedures of record companies, publishing companies, performing rights societies and unions. The course will also study the processes of record and film production as well as career opportunities in these fields. Also includes an introduction to further courses of study in a targeted audio field. 54 lecture hours.

REC 255
Advanced Live Sound Reinforcement
4 Units **Grade Only**
Prerequisite: REC 135.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course focuses on advanced concepts in sound reinforcement; advanced mixing skills, system maintenance and troubleshooting, sound system design for different types of venues, audio editing for live applications and live recording. 54 lecture hours, 72 lab hours arranged.

Sociology (Social Sciences Department)

Sociology is the systematic study of social interactions and societies. Sociologists examine group structure, social relationships, and how social processes shape human behavior. The sociology faculty acquaints students to the field of sociology and prepares them for academic success. The program courses fulfill the requirement of the behavioral science component of the A.A. degree. In addition, all of the courses transfer to CSU and UC system's as well as other major colleges.

Sociology Courses

SOC 114
Marriage, Family, and Intimate Relationships
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A consideration of the sociological and psychological factors which influence present day marriages and relationships. Course includes seminar discussions oriented toward understanding these influ-

ences as they relate to the individual. 54 lecture hours. CSU;UC

SOC 118

Minorities in America

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course gives an overview of the psychological, social, economic, and political aspects of minority groups in contemporary American culture. It will emphasize the relationships between these groups and the dominant culture. 54 lecture hours. CSU;UC

SOC 122

Introduction to Latino Studies

3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An analysis of what it means to be Latino. An interdisciplinary course, focusing on the study of the psychological, social, political, and economic heritage of the Latino. Emphasis on examination of how ethnic groups are organized, and how they influence others and in turn are influenced. 54 lecture hours. CSU;UC

SOC 201

Introduction to Sociology

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Emphasis is placed on the study of the basic structure of human society, the main forces that hold groups together or weaken them, as well as conditions that transform social life, and basic social concepts. 54 lecture hours. CSU;UC

SOC 201H

Introduction to Sociology - Honors

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Member in good standing of the Citrus College Honors Program. Recommendation from an Honors Instructor.

Emphasis is placed on the study of the basic structure of human society, the main forces that hold groups together or weaken them, as well as conditions that transform social life, and basic social concepts. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of sociological readings, presentation, and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

SOC 202

Contemporary Social Problems

3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Emphasis is placed on American society and social problems. Special attention is given to the causes and effects of social problems. Course content includes research, field observation studies, seminar discussion with special resource professionals. College level reading is strongly recommended for success in the course. 54 lecture hours. CSU;UC

SOC 216

Sex and Gender in a Cross Cultural Perspective

3 Units **Grade Only**
Strongly Recommended: ANTH 210 and SOC 201. Also, READ 099 if required by reading placement exam or if required by reading level.

A cross-cultural look at different groups ideas of sex and gender. The course will focus on attitudes, beliefs, and socialization techniques. Theories behind the formation of gender will be explored. Both Anthropological and Sociological terms and concepts will be utilized for a cross disciplinary approach. This course is the same as ANTH 216. 54 lecture hours. CSU;UC

SOC 218H

Presentation Seminar - Honors

1 Unit **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Member in good standing of the Citrus College Honors Program. Recommendation from an Honors Instructor.

A course designed to help honors students further their research skills, professional presentation skills, and to promote transfer. Research topics from previous honors classes will be enhanced with further research and presented in a professional manner in class. Materials will also be submitted to local honors conferences for presentation to peers. Honors students should be in good standing and must be recommended by an honors professor. This course is the same as ANTH 218H. 18 lecture hours. CSU

Social Sciences

(Social Sciences Department)

The program is unique in that one of its goals is to ensure the continuation of quality student representation in the participatory decision making efforts of the district. The program seeks to instill within its students a practical sense of the dynamics of leadership within an organiza-

tion and some of the techniques that leaders utilize to enhance the effectiveness of the group as well as how to run meetings through the proper use of parliamentary procedure. In addition, the program places a heavy emphasis on self-knowledge based on reflection as the cornerstone of leadership.

SOCS 100

Principles of Leadership

3 Units **Grade or P/NP**
Strongly Recommended: ENGL 100.

A course in the various aspects of leadership in the college student government setting. Enrollment is open to all students. It is recommended that students be eligible for ENGL 100 prior to enrollment in this course. This course may be taken two times. 54 lecture hours, 18 lab hours. CSU

SOCS 101

Student Government

3 Units **Grade or P/NP**
Prerequisite: Election or appointment to an ASCC office.

A course in various aspects of leadership with emphasis on practical application in the community college student government setting. Enrollment is limited to and required of students who hold ASCC office. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

SOCS 102

Student Government

3 Units **Grade Only**
Prerequisite: SOCS 101.

A course in various aspects of leadership and leadership mentoring with an emphasis on practical application in the community college student government setting. Enrollment is limited to and required of students who hold ASCC office who have successfully completed SOCS 101 three times. This course may be taken two times. 36 lecture hours, 54 lab hours. CSU

Spanish

(Foreign Language Department)

"The Foreign Languages Program offers four semesters of proficiency-based instruction in listening, speaking, reading and writing Spanish, French, and German and two semesters in Chinese and Japanese." Areas of study include beginning and intermediate vocabulary, grammar and syntax, pronunciation, and cultural understanding. The program combines classroom lectures, guided practice, and a variety of communicative activities in the target language, with individual work in the language lab using various media.

Spanish Courses

SPAN 101

Spanish I

5 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in elementary Spanish grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing (including spelling) simple Spanish and serves as an introduction to the geography, history, and culture of the Spanish-speaking world. 90 lecture hours. CSU;UC

SPAN 102

Spanish II

5 Units

Grade or P/NP

Prerequisite: SPAN 101 or two years of high school Spanish.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A further study of elementary Spanish grammar and vocabulary that develops understanding, speaking, reading and writing (including spelling) skills. Affords opportunities to apply communication skills to new social, professional, and travel contexts. Explores the cultural heritage and civilization of Spain and Latin America through technology and level-appropriate readings. The class will be taught primarily in Spanish. 90 lecture hours. CSU;UC

SPAN 127

Spanish Civilization

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Spanish Civilization provides an interdisciplinary global understanding of the culture and history of Spain. The course critically analyzes contemporary Spanish society by examining the social and historical traditions and institutions that shape the Spanish way of life in the 20th century. This course is the same as HIST 127. 54 lecture hours. CSU;UC

SPAN 140

Beginning Conversational Spanish

3 Units

Grade or P/NP

Prerequisite: SPAN 101 or One year of high school Spanish.

This course is designed for students who wish to improve their oral speaking skills and expand their vocabulary in Spanish. 54 lecture hours. CSU

SPAN 141

Intermediate Conversational Spanish

3 Units

Grade or P/NP

Prerequisite: SPAN 102 or Two years of high school Spanish.

This course is designed for students who wish to build on and improve their oral speaking skills in Spanish. 54 lecture hours. CSU

SPAN 150

Spanish for Public Service Personnel

3 Units

Grade or P/NP

SPAN 150 emphasizes basic Spanish for public service personnel, especially recommended for students in the fields of elementary/secondary education, nursing, fire science, police science, emergency medical personnel and related vocational areas. This course will enable students to acquire a practical, working knowledge of Spanish with a vocabulary suitable to the student's areas of specialization. 54 lecture hours. CSU

SPAN 201

Spanish III

5 Units

Grade Only

Prerequisite: SPAN 102 or Three years of high school Spanish.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This intermediate level course is a study of the Spanish language and Spanish-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Spanish. Reading strategies and fundamentals of formal composition are introduced in conjunction with short, level-appropriate literary selections. Class is largely conducted in Spanish. 90 lecture hours. CSU;UC

SPAN 202

Spanish IV

5 Units

Grade Only

Prerequisite: SPAN 201 or Four years of high school Spanish.

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This course is an advanced study of the Spanish language and Spanish-speaking cultures, focusing on the refinement of the skills acquired in the preliminary and intermediate level structures, and a focus on readings of culturally relevant authentic materials. Emphasis is on further refining oral, listening, reading and writing skills in order to acquire proficiency in Spanish. Reading strategies and fundamentals of formal composition are further developed in conjunction with level-appropriate literary and film selections. Class is largely conducted in Spanish. 90 lecture hours. CSU;UC

SPAN 210

Intermediate Spanish for Speakers of Spanish

5 Units

Grade or P/NP

Prerequisite: oral fluency in Spanish. Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course designed to help students who are fluent in spoken, informal Spanish, but who need to improve writing, reading and grammar skills. Emphasis on acquiring formal oral Spanish skills and a knowledge of Spanish and Latin American literature and culture. Equivalent to SPAN 201. 90 lecture hours. CSU;UC

SPAN 211

Reading and Composition for Speakers of Spanish II

5 Units

Grade or P/NP

Strongly Recommended: SPAN 210 and fluency in oral Spanish. Also, READ 099 if required by reading placement exam or if required by reading level.

A course for students who are fluent speakers of Spanish but who need to practice and refine their writing skills and formal oral skills. Reading in the literature of Spanish-speaking cultures. Review of grammar. 90 lecture hours. CSU;UC

Speech

(Language Arts Department)

The Speech Communication program fosters personal and professional success, which depends on effective, ethical and purposeful communication skills. The program offers students a comprehensive introduction to the study and practical application of the Speech Communication discipline by providing an opportunity to improve oral and written communication skills.

Speech Courses

(See Also Communications)

SPCH 100

Interpersonal Communication

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Introduction to interpersonal communication: verbal and nonverbal face-to-face interactions; understanding messages sent and received; awareness and resolutions of communication barriers. 54 lecture hours. CSU

SPCH 101

Public Address

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introductory course in speaking skills, including the selection, preparation, and delivery of speeches for various audiences and situations. The goal will be the achievement of ethical, purposeful, and effective public speaking. 54 lecture hours. CSU;UC

SPCH 101H

Public Address - Honors

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

This is an honors introductory course in public speaking skills, including research, reasoning, organization, composition, presentation, and evaluation of informative and persuasive speeches for various audiences and situations. The goal will be the achievement of ethical, purposeful, and effective public speaking. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU;UC

SPCH 103

Argumentation and Debate

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Basic theories, principles, and methods for various levels and forms of argumentation and debate. Preparation and presentation of practice debates on current issues. 54 lecture hours. CSU;UC

SPCH 106

Small Group Communication

3 Units

Grade Only

Principles, techniques, and uses of discussion in contemporary society. Training and practice in informal group discussion, panel discussion, symposium and forum. Emphasis on collaborative decision-making. 54 lecture hours. CSU;UC

SPCH 210

Forensics

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students who desire to participate in various intercollegiate speech contests such as debate, oratory, extempore, impromptu, and oral interpretation. This course may be taken four times. 36 lecture hours, 54 lab hours. CSU

Technology Courses

(Technology and Engineering Department)

TECH 100 Principles of Technology

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, MATH 130.

A course in the principles of technology using applied physics in practical applications. Designed for those who plan to pursue careers as technicians or for those who want to keep pace with the advances in modern technology. 36 lecture hours, 54 lab hours. CSU

Theatre Arts

(Performing Arts Department)

Theatre Arts courses at Citrus College provide preparation in the various aspects of theatre practice: acting, directing, and technical theatre through involvement in productions staged each year in the Little Theatre and on the main stage. Students are prepared to continue their theatre studies at colleges and universities or to pursue careers in the theatre and related fields.

Theatre Arts Courses

THEA 101

Introduction to Theatre Arts

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Background and foundation for appreciation and evaluation of theatre arts. Course will include a study of dramatic structure, history of the theatre, plays and playwrights, and a study of contemporary theatre production. 54 lecture hours. CSU;UC

THEA 104

Voice and Movement for the Actor

3 Units

Grade or P/NP

Strongly Recommended: THEA 201 Concurrent enrollment and READ 099 if required by reading placement exam or if required by reading level.

A course in vocal anatomy, physiology, and phonetics as well as the exploration of how the voice and body work. Designed to develop the actor's awareness, relaxation, flexibility, and responsiveness in order to communicate openly and expressively.

This course may be taken four times. 54 lecture hours, 36 lab hours. CSU;UC

THEA 120

Introduction to Tech for Theatre, TV and Film

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to the technical areas of lighting, scenery, sound and costumes for theatre, film and television. Field trips include area theatres and studios. 36 lecture hours, 54 lab hours. CSU;UC

THEA 125

Technical Theatre Production

2 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A course in the technical production of stage scenery, lighting, sound, props, costuming or makeup. This course may be taken four times. 18 lecture hours, 90 lab hours arranged. CSU;UC

THEA 130

Introduction to Theatrical Scenery

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level. Also, THEA 120.

A study of the equipment, processes and techniques used in planning and executing scenery for the stage. 36 lecture hours, 18 lab hours, 36 lab hours arranged. CSU;UC

THEA 140

Introduction to Lighting for Theatre, Television and Film

3 Units

Grade Only

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A visual survey through field trips, lecture, video and computer of lighting design for theatre, television, film and concerts. 36 lecture hours, 54 lab hours. CSU;UC

THEA 150

Introduction to Intelligent Lighting Systems for Theatre

3 Units

Grade Only

Strongly Recommended: THEA 140 and THEA 160. Also, READ 099 if required by reading placement exam or if required by reading level.

The study and manipulation of intelligent lighting systems and their use in various aspects of the entertainment field. 36 lecture hours, 54 lab hours arranged. CSU;UC

THEA 160

Computer Aided Design for Theatre

4 Units

Grade Only

Strongly Recommended: THEA 120 and THEA 130. Also, READ 099 if required by reading placement exam or if required by reading level.

Entertainment design and technical production with an emphasis on the computer as a design and drafting tool. Applications include Vector works and Sketch-up. This course may be taken three times. 54 lecture hours, 54 lab hours.

THEA 200
The Art of the Theatre
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Introduction to theatre as an art form involving the inter-related processes of all elements of theatre with the primary focus being on script analysis. Includes the study of plays throughout history with emphasis on dramatic analysis and cultural significance. This course may be taken two times. 54 lecture hours, 36 lab hours. CSU;UC

THEA 201
Acting Fundamentals I
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A beginning level performance class with an introduction to the Stanislavski Method of acting. Provides a foundation in acting through a study of improvisation, vocal technique, historical concepts, and theory through scene and monologue work. This course may be taken four times. 54 lecture hours, 36 lab hours arranged. CSU;UC

THEA 202
Acting Fundamentals II
3 Units **Grade or P/NP**
Prerequisite: THEA 201 or Audition.

An extension of the concepts as introduced in Thea 201. A more in-depth approach to contemporary theatre using the Stanislavski method as well as other methods of acting in character and scene study and analysis. Students may perform in an Acting Showcase at semester's end. This course may be taken four times. 54 lecture hours, 36 lab hours arranged. CSU;UC

THEA 204
Stage and Screenwriting
3 Units **Grade or P/NP**
Strongly Recommended: ENGL 101.

Beginning playwrights and screenwriters discover the basic craft of creating scripts for stage, screen, and television. The class will concentrate on current work and/or ideas and examples will be drawn from scripts, videos, and films that have shaped our modern consciousness. This course may be taken four times. 54 lecture hours, 18 lab hours arranged. CSU

THEA 210
Rehearsal and Performance I
3 Units **Grade or P/NP**
Prerequisite: Audition.

Participation in the production of a full length play for public performance. This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU;UC

THEA 211
Acting for the Camera
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

The practice and study of the fundamental techniques required in acting before the camera in film and television in contrast to the variance from stage work. Students will address areas of voice and movement for the camera; blocking; memorization and audition techniques along with the introduction of quality head shots and resumes. This course may be taken four times. 54 lecture hours, 36 lab hours arranged. CSU;UC

THEA 220
Rehearsal and Performance II
3 Units **Grade or P/NP**
Prerequisite: THEA 210.

Continued and more in-depth participation in the production of full-length play for public performance. This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU;UC

THEA 241
Fundamentals of Stage Direction
3 Units **Grade or P/NP**
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.

A study of the director's approach to play analysis, casting, and rehearsal technique leading to a performance. Students will receive practical experience in directing short scenes. This course may be taken two times. 36 lecture hours, 54 lab hours arranged. CSU;UC

THEA 245
Stage and Project Management for Theatre, TV and Film
3 Units **Grade Only**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A survey of stage management and project management exploring the relationship between the artistry and the execution of show production in the entertainment industry. 36 lecture hours, 54 lab hours arranged. CSU

THEA 250
Theatre Appreciation
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to methods of evaluating theatre in performance. Students will view and critique at least five off campus plays per semester. Transportation may be provided. 36 lecture hours, 18 lab hours, 36 lab hours arranged. CSU;UC

THEA 260
Introduction to Show Production Systems
3 Units **Grade Only**
Co-Requisites: THEA 150 and THEA 245 or by Instructor Approval
Strongly Recommended: THEA 130, THEA 140, THEA 160, REC 135 and READ 099 if required by reading placement exam or if required by reading level.

The study of show production systems. The function and inter-relation of complete entertainment staging systems in a single environment including: physical staging systems, projection systems, truss systems, lighting rig, sound rig, computer and show control methods and rigging, power and distribution, crew and performer safety and access, trouble shooting and maintenance. Includes a study of the technical and design challenges posed by a variety of venues including, theatre, theme parks, exhibit and trade shows, conventions, and cruise lines. College level reading strongly recommended. 54 lecture hours, 36 lab hours. CSU

THEA 284
Acting Shakespeare
3 Units **Grade or P/NP**
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An exploration of Shakespeare's plays and poetry through scene study, monologues, rehearsal, and performance. This course aims to introduce a process and technique for analyzing play scripts and poetry for performance. This course may be taken four times. 54 lecture hours, 36 lab hours. CSU;UC

THEA 290
Citrus Theatre Academy
3 Units **Grade or P/NP**
Prerequisite: Audition.
Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Preparation, rehearsal and public performance of college sponsored productions in an organized summer theatre company. This course provides continuing development of acting, technical theatre and design skills for Citrus students. When appropriate, students have opportunities

to work with outside professionals and learn the skills of an understudy. Participants selected by application and audition. This course may be taken four times. 162 lab hours arranged. CSU;UC

THEA 292

Special Techniques in Acting

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Students will critically examine the Stanislavski Method of Acting and how it pertains to various acting styles. Examining stylized scenes and monologues from World Theatre will teach the student how the Method can be utilized in acting genres other than contemporary realism. This course may be taken four times. 54 lecture hours, 18 lab hours arranged. CSU;UC

THEA 293

Theatre for Young Audiences

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

An introduction to theatre for child audiences. Students required to participate in a theatrical production for young audiences and lead children in creative dramatics. May include workshops. Along with on campus performances, may include a tour of a production. In-class and out-of-class rehearsals may be necessary to complete production. This course may be taken four times. 54 lecture hours, 36 lab hours. CSU

THEA 294

Shakespeare in Production

3 Units

Grade or P/NP

Strongly Recommended: THEA 284. Also, READ 099 if required by reading placement exam or if required by reading level.

Translating the Shakespearean text into an hour long performance adaptation. Students are required to participate in a theatrical production of a Shakespearean play for middle and high school students as well as public performance. In-class and out-of-class rehearsals may be necessary in order to complete production. This course may be taken four times. 54 lecture hours, 42 lab hours arranged. CSU

Water Technology (Public Services Department)

This program is designed to prepare students who wish to seek employment in the public drinking water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T1, T2, T3, T4 and T5 Water Treatment Operator and D1, D2, D3, D4, and D5 Water Distribution Operator certification examinations given by the California Department of Public Health. Coursework also provides contact ours for Operator certification maintenance requirements.

Water Technology Courses (Public Services Department)

WATR 150

Introduction to Water Systems

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

A basic course in water distribution and treatment covering water quality control practices, water sources, public health aspects of water regulations, supply, water treatment arithmetic, chemical treatment, filtration, corrosion, disinfection, tastes and odors in water, water system operation and maintenance, valves, pipes, pumps, and meters. The material covered in this course will be helpful to those preparing for the D1 and D2 Water Distribution Operator's Certificate examinations and the T1 Water Treatment Operator's Certificate examination given by the State of California. 54 lecture hours.

WATR 151

Water Resources and Distribution I

3 Units

Grade or P/NP

Strongly Recommended: WATR 150 and MATH 130.

A course designed for water distribution systems operators. This course continues WATR 150. Topics include: water production, types of reservoirs, water lines, pumps, water chemistry, water treatment, arithmetic, chemical treatment, appurtenances, method of installation, repair of facilities, back up theory, and administrative functions behind the distribution system. This course prepares the student for the D2 and D3 Water Distribution Operator's examinations. 54 lecture hours.

WATR 152

Cross-Connection Control

3 Units

Grade or P/NP

Strongly Recommended: READ 099 if required by reading placement exam or if required by reading level.

Introduces the principles of cross connection control: identifying a cross connection and the type of backflow prevention required; recycled water; recognizing the responsibilities of the water purveyor, the health agency, and the consumer; and learning basic maintenance and backflow prevention device testing. This course will prepare the student for A.W.W.A. and/or the Los Angeles County Certification 54 lecture hours.

WATR 153

Water Resources and Distribution II

3 Units

Grade or P/NP

Strongly Recommended: WATR 150, WATR 151, and MATH 130.

A course in practical water supply hydraulics with emphasis on the basic principles of hydraulics. The purpose of the course is to clarify pressure, head, buoyancy, friction loss, forces, velocity of flow and size capacity relationship of distribution systems. The course includes the study of pump characteristics, sizing of pumps, water chemistry, water treatment, arithmetic, chemical treatment, and efficiency test procedures. Typical calculations include line loss in series and parallel pipe systems, residual pressure, forces on thrust blocks, and horsepower requirements for pumps. This course prepares the student for the D3, D4, and D5 Water Distribution Operator's examinations. 54 lecture hours.

WATR 155

Water Distribution Operator Exam Preparation

1 Unit

Grade or P/NP

Strongly Recommended: WATR 150 or possession of a D-1 Distribution Operator Certification.

A course in drinking water distribution designed as a review for water distribution operators preparing to take the California Department of Public Health D2 or D3 examinations. This course may be taken three times. 18 lecture hours.

WATR 156

Water Treatment I

3 Units

Grade or P/NP

Strongly Recommended: MATH 130 and WATR 150.

Course covering water resources, water quality, unit operations of water treatment, public health requirements, and the basics of water chemistry and aquatic microbiology. Prepares students for the T1, T2, and T3 Water Treatment Operator's Certificate examinations given by the State of California. 54 lecture hours.

WATR 157**Water Treatment II****3 Units****Grade or P/NP****Strongly Recommended: WATR 156.**

A course covering water resources, water quality, unit operations of advanced water treatment systems, public health, water chemistry and microbiology, and fluoridation. Prepares students for T3, T4, and T5 Water Treatment Operator's Certificate examinations required by the California Department of Public Health. 54 lecture hours.

WATR 162**Water Conservation****3 Units****Grade or P/NP**

This class provides an overview and technical information on the role of the water conservation coordinator in the public water supply industry. Topics include: water supply and cycle, structure and operations of utilities, regulatory agencies, best management practices, water conservation programs and technologies. This class will help the student prepare for the AWWA grade one Water Conservation Practitioner Certification. 54 lecture hours.

WATR 165**Water Systems Operations and Technology Update****1 Unit****Grade or P/NP****Strongly Recommended: WATR 151 or WATR 156.**

A course in drinking water distribution and treatment designed to update current system operators on the latest improvements in technology and upcoming regulations in the water supply field. Students will be introduced to new technologies and methods used in water systems today and will be given valuable information on the latest adopted and pending regulations from CDHS, OEHHA, CDWR, SWRCB, LAR-WQCB, AQMD, and CalOSHA. The course will be helpful to those in need of contact hours to fulfill California Department of Health Services requirements for renewal of Distribution and/or Treatment Operator Certification. This course may be taken three times. 18 lecture hours.

**My Citrus Story, Mohamad Trad**

“I thank all of the professors and staff members who helped me while I was at Citrus College to become the man I am today. You not only changed my life for the better, you’re still helping others through me to become better men and women.”

Today, Mohamad Trad is a mathematics instructor at Citrus College; he has taught here for 10 years.

Does Citrus College Offer Courses for Growth and Development?

Continuing Education

Continuing Education and Noncredit Education

Citrus College Continuing Education offers lifelong personal and professional development opportunities. We provide classes to sharpen your professional skills or to help you learn new activities you can enjoy in your leisure time. Continuing education classes provide opportunities for learning that enrich the lives of individuals and improve the quality of living in our community.

Noncredit education is designed to supplement students' continued growth and job skills development through classes that include basic skills, career development, health and fitness, vocational preparation and job retraining. Enrollment in noncredit classes is free and continues throughout the school year. All noncredit classes are subject to budget and attendance.

Potential students who are undecided about college may begin or continue their college experience with noncredit classes. Counseling services are available.

Computerized instruction is available for students who want to strengthen their basic math, reading and writing skills. Noncredit education also provides English as a Second Language (ESL) classes in the traditional classroom format for limited English speaking students.

Visit the Continuing Education department for more information.



The Fitness Center offers many classes through Community Education. These fee-based classes are open to local residents.

Community Education

Citrus College Community Education offers lifelong personal and professional development learning opportunities to members of the community. Moderately-priced classes, workshops, seminars and activities are available for persons who want to develop their professional skills, start or grow a business, enrich their cultural experiences, their lives and their relationships, or participate in entertainment and recreational activities.

Community Education classes, activities and events are available on days and at times that meet the needs of today's active adults. Class lengths vary from a few hours to several meeting dates.

The majority of these classes do not provide college credit; however, a few classes offer continuing education credits that are required in some professions.

Community Education classes are supported by fees collected from course participants. Class schedules, published three times per year, are mailed to Citrus Community College District residents and can be accessed online at www.citruscollege.edu/ce

College Policies and Notices: Rules for Safety and Success

Academic Freedom Statement

It is the policy of the Citrus Community College District to support the principles of academic freedom, built upon the free expression and exchange of ideas that are inherent in the search for scholarly truth and upon which a free and democratic society depends. The District affirms the use of a variety of teaching methodologies to fulfill its obligation to raise difficult and meaningful questions in the educational development of students. Faculty are entitled to freely discuss issues germane to their subject matter. This freedom involves the right to introduce controversial topics, as long as the manner of presentation involves objective reasoning and rational discussion.

Academic freedom must be balanced with the obligation of the District to protect the right of students to learn in an environment characterized by civility, open inquiry, and freedom from unlawful discrimination. While faculty have the right to present ideas and conclusions which they believe to be in accord with available evidence, they also have the responsibility to acknowledge the existence of different opinions and to respect the right of others to hold those views. Faculty and students have a responsibility to engage in teaching and learning that honors and respects divergent viewpoints that are grounded in cultures of reason, logic, evidence and responsible scholarship.

When faculty (or any other District employees) speak or write as citizens, care should be taken to avoid the representation of any personal view as that of the District or of Citrus College.

Academic Honesty

See Code of Conduct

Athletic Eligibility

See Athletics: The Fighting Owls section

BP 7103 Drug and Alcohol Free Environment and Drug and Alcohol Prevention Program

The Citrus Community College District is committed to maintaining an environment free from the unlawful possession, use, or distribution of illegal substances and alcohol by students and employees.

With the exception of alcohol products intended fully for use in classroom scientific experiments, and not intended for human consumption, the unlawful manufacture, distribution, dispensing, possession or use of alcohol or any other controlled substance is prohibited on District-owned or controlled property, at District-sponsored or supervised functions, or related to or arising from District attendance or activity.

All employees are required to comply with this policy as a condition of their employment and continued employment.

Any student or employee who violates this policy will be subject to disciplinary action, which may include referral to an appropriate rehabilitation program, suspension, demotion, dismissal, or expulsion. Any employee convicted under a criminal drug and/or alcohol statute for conduct in the workplace must report this conviction within five days to the Superintendent/President.

Campus Disturbances

The willful disturbance of classes,

college activities, or procedures is a misdemeanor. (California Penal Code, Section 626.6)

Cheating and Plagiarism

See Code of Conduct

Code of Conduct

Those representing Citrus College at any conference, trip or athletic event will observe this Code of Conduct.

Basic Responsibilities on Conferences, Trips or Athletic Events

1. Participants, students, and advisers shall recognize their responsibility for proper conduct during a trip to or from, and at the conference or event.
2. Advisers shall recognize their responsibility for the actions of their students. Each student will be directly responsible to the adviser.
3. Rules established by the host organization or location must be observed.
4. Prior to the conference or trip, the student participants and advisers shall have read the Standards of Student Conduct.
5. Attendance at all meetings, including meals, is considered part of the participant's responsibility while at a conference unless first excused by the advisers.
6. No student may officially or unofficially represent Citrus College at any event away from the campus without an adviser or special permission to be without an adviser, granted by the Citrus College administration.

Standards of Conduct

The superintendent/president shall establish procedures for the imposition of discipline of students in accordance with the due process requirements of state and federal regulations.

The procedures shall clearly define the conduct that is subject to discipline, and shall identify potential disciplinary actions, including but not limited to the removal, suspension or expulsion of a student.

The Board of Trustees shall consider any recommendation for a student's expulsion received from the superintendent/president. The board shall consider an expulsion recommendation in closed session unless the student requests that the matter be considered in a public meeting. Final action by the Board on the expulsion shall be taken at a public meeting.

The following infractions are considered good cause for discipline at Citrus College and are based on local, state and federal law, as well as Citrus Community College District board policy 5500 and administrative procedures 5520.

1. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. Possessing, selling or furnishing any firearms, knives, explosives, or other dangerous objects. This also applies to copies or models of these items. The exception occurs when the student has obtained prior written permission from a Citrus College employee to possess the items mentioned above. The superintendent/president must approve the request.

3. Unlawfully possessing, using, selling, offering to sell, furnishing, or being under the influence of, any controlled substance, such as alcoholic beverages or intoxicants of any kind and unlawfully possessing, offering, arranging, or negotiating the sale of any drug paraphernalia;
4. Committing or attempting to commit robbery or extortion;
5. Causing or attempting to cause damage to District property or to private property on campus;
6. Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus;
7. Willfully or persistently smoking in any area where smoking is prohibited by law or by college or district regulation;
8. Committing unlawful sexual harassment;
9. Engaging in unlawful harassing or discriminatory behavior based on race, gender, religion, age, national origin, disability, or any other protected characteristic or classification, defined by law;
10. Willful misconduct resulting in injury or death to a student or to District personnel and/or willful misconduct resulting in cutting, defacing, or other injury to any real or personal property owned by the District or on the Citrus College campus;
11. Disruptive behavior, willful disobedience, open and persistent defiance, or

persistence abuse of District personnel;

12. Cheating, plagiarizing (including plagiarism in student publications), or engaging in other forms of academic dishonesty;
13. Committing dishonesty, forgery, alteration or misuse of District documents, records or identification; or knowingly furnishing false information to the District;
14. Unauthorized entry upon or use of District facilities;
15. Committing lewd, indecent or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions;
16. Engaging in obscene, libelous, or slanderous expressions, or expressions that incite students to behave in a manner that creates a clear and present danger to students and staff, or incite the commission of unlawful acts on District premises;
17. Violating district administrative procedures or the substantially disrupting the orderly operation of the District business or academic activities;
18. Engaging in persistent, serious misconduct where other means of correction have failed to bring about proper conduct;
19. Unauthorized preparing, giving, selling, transferring, distributing, or publishing any existing and current recording of an academic presentation in a classroom or equivalent site of instruction, for any commercial purpose. This also

includes, but is not limited to, handwritten or typewritten class notes, except as permitted by any Board Policy or Administrative Procedure.

20. Violating college rules or regulations including campus policies concerning student organizations, the use of college facilities, or the time, place and manner of public expression;
21. Persistent violation of classroom standards of conduct as established by the instructor;
22. Any actions not listed above that are identified as "good cause" by the Education Code.

For detailed information regarding student discipline, visit www.citruscollege.edu and click Student Life, Student Discipline and Conduct.

Driving and Parking

The Citrus Community College District Board of Trustees have adopted traffic and parking regulations in accordance with the California Vehicle Code. Refer to the current Schedule of Classes for details.

Grievance Procedures

Student grievance procedures provide every student with a prompt and equitable means of seeking an appropriate resolution for any alleged violation of his or her rights. The rights protected under these procedures include, but are not limited to, those guaranteed by the established rules and regulations of the Citrus Community College District and the Education Code of the State of California.

The student grievance procedure does not apply to student disciplinary actions covered under separate Board policies and

administrative procedures and parking citations "tickets" obtained on campus.

Students are advised that grievances must be filed within 20 school days of the occurrence. The procedures do not apply to the employment rights of students. Sexual harassment or discrimination complaints are made to the Office of Human Resources.

Citrus College students are, by law, protected against capricious, arbitrary, unreasonable, unlawful, false, malicious or professionally-inappropriate evaluations or actions by an employee of Citrus College.

For information regarding student grievance procedures, contact the Office of the Vice President of Student Services at (626) 914-8532.

Hazing

Hazing is prohibited in California schools. Violators may be punished by a fine not to exceed \$500 or six months in jail.

Sexual Assault/Sexual Violence Prevention Policy

No community can be totally risk-free in today's society. However, students, faculty, staff, and visitors can all work together to create an atmosphere which is as safe and crime-free as possible. Section 67385 of the Education Code requires that community college districts adopt and implement procedures to ensure prompt response to victims of sexual violence that occur on campus, as well as providing them with information regarding treatment options and services.

Citrus College takes the issue of sexual violence very seriously. The campus community is proactive in offering a safe environ-

ment for students and visitors. As a result, Citrus College offers informational and preventive programs to all students and staff to help prevent the risk of sexual violence on campus. This information can be found at www.citruscollege.edu/stdntsrvc/studentdean

Sexual assault is defined as any kind of unwanted sexual contact. This includes, but is not limited to: rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, threat of sexual assault and related conduct that threatens the health and safety of another person. Sexual violence may include sexual assault, rape, date rape, acquaintance rape, domestic violence, stalking, dating violence, forcing a person to watch/engage in pornography, harassment, exposing/flashing, voyeurism and/or fondling.

Any sexual violence or physical abuse, as defined by California law, committed by an employee, student, or member of the public; occurring on college-owned or controlled property, at college-sponsored or supervised functions; or related to or arising from college attendance or activity is a violation of district policies and regulations. This behavior is subject to all applicable punishment, including criminal and/or civil prosecution and employee or student discipline procedures.

Any person who has been the victim of sexual violence or who has information regarding sexual violence on campus is strongly urged to **call 911** or the police department or sheriff in the city where the crime took place and report the situation as soon as possible. Persons who are the victims of sexual assault on campus may:

- Contact the following campus departments:
Campus Security
 24 hours a day, 7 days a week
 Direct number:
 (626) 914-8611
 On Campus: Extension 8611
Campus Health Center,
 during normal business hours
 (626) 914-8671
- Go directly to a hospital emergency room for medical care.
- Contact the many community resources that provide support services to victims of sexual violence. These local agencies include, but are not limited to:

Project SISTER Sexual Assault Crisis & Prevention Services offers immediate crisis assistance in seven languages seven days a week. They also provide accompaniment/advocacy services in which trained volunteers support and advise survivors of sexual violence and child abuse at the hospital, police station, and during court appearances.

24-hour hotlines:
 (909) 626-HELP (4357) or
 (626) 966-4155

House of Ruth provides many services to victims of domestic violence, including emergency shelter, transitional shelter, legal advocacy and counseling/support groups.

24-hour hotline:
(909) 988-5559

National Sexual Assault Hotline:
(800) 656-HOPE (4673)

National Domestic Violence Hotline:
(800) 799-7233

Suicide and Rape 24-Hour

Emergency Services National Hotline: (800) 333-4444

- If the perpetrator is a Citrus College student, an administrative complaint may be filed with the vice president of student services, (626) 914-8532.

Sexual Harassment

It is the policy of the college to provide a workplace and study environment free of sexual harassment. All students should be aware that the college strongly disapproves of any conduct that constitutes sexual harassment and will take disciplinary measures to ensure compliance. All formal complaints will be investigated and appropriate action taken. Complaints should be reported to the human resources staff diversity manager, (626) 914-8830.

Smoking on Campus

See Substance Abuse

Substance Abuse

The Citrus Community College District prohibits the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees on college property, and as part of any college sponsored or sanctioned event. In addition, the use of tobacco is prohibited in all district buildings and vehicles. (Citrus Community College District Board Policy 7103, Education Code 87335, Standards of Student Conduct, and U.S. Public Law 101-226).

Any student or employee in violation of this policy is subject to disciplinary action, up to and including, expulsion from college or termination from employment for violations of the standard code of conduct. The decision to take

disciplinary action in any such instance rests with the Board of Trustees after consideration of the recommendation of the Superintendent/President.

Notices

Campus Safety

The following are the criminal offenses which occurred on campus from January 1, 2005-December 31, 2007 and reported to the Campus Safety Office and public agencies:

Offense	05	06	07
Murder	0	0	0
Manslaughter	0	0	0
Sex Offense Force	0	0	0
Sex Offense (Non Force)	0	0	0
Robbery	0	2	1
Aggravated Assault	4	8	6
Burglary	29	7	2
Vehicle Theft	7	4	4
Arson	0	0	0
Narcotics /Drug Offenses	0	0	0
Alcohol Offense	0	0	0
Weapon Offenses	0	1	1
Hate Crimes	0	0	0

Registered Sex Offender Information

Information concerning registered sex offenders may be obtained from the Glendora Police Department, 150 S. Glendora Avenue by calling 626-914-8250 or visiting www.meganslaw.ca.gov

Sex offenders are required to register with the police in the jurisdiction in which they reside.

Catalog Rights

The catalog sets forth requirements for achieving an Associate Degree or Certificate. These requirements may change from one catalog to the next. Catalog rights are established for any semester that a student is in attendance. The specific catalog employed toward graduation requirements and all implied rights cease after two semesters of non-attendance. State of California

and federal law, as well as Citrus College Board Policy, shall take precedence over catalog rights. Students not enrolled when applying for a degree or certificate must use the current catalog.

Nondiscrimination Policy

Citrus Community College District does not discriminate on the basis of race, color, ancestry, national origin, sex, age (over 40), religious creed, marital status, medical condition (including cancer), physical disability (including HIV and AIDS), mental disability, sexual orientation, gender identity and/or expression, or military status as a Vietnam-era veteran in any policies, procedures or practices. In addition, it is the stated policy of Citrus Community College District that harassment is prohibited and that regular employees shall not be denied family care leave if eligible under the Fair Employment and Housing Act. All of these categories are protected by the following legislation: Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Fair Employment and Housing Act, California Government Code 12900 et seq., and the Americans with Disabilities Act of 1990.

Students who have questions or concerns about the nondiscrimination policy can contact the human resources staff diversity manager at (626) 914-8830.

Open Enrollment

All courses, course sections, and classes offered by Citrus College are open for enrollment to any person who has been admitted to the college. Enrollment may be subject to any priority system that the college has established. Enrollment may also be limited to students meeting properly vali-

dated prerequisites and co-requisites of certain academic programs, or due to other practical considerations such as exemptions set out in statute or regulation.

Public Safety

See Campus Safety

Student Rights and Privacy Act

Citrus College student records are maintained in accordance with the Education Code, Title 5, California Civil Code, and the U.S. Patriot Act. Written student consent is required for access and release of information defined as educational records in the federal and state laws as described in Citrus College AP 5040.

A student's directory information (student's name, address, telephone number, date and place of birth, major field of study, enrollment status, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent previous public or private school attended) may be released upon request unless the Admissions and Records Office receives written notification that a student reserves the right to authorize, in writing and, on an individual request basis, the access and release of the directory information. Such a notice of restriction will remain in effect until it is countermanded in writing. Additionally, the law provides that a student may request access to the college records which are personally identifiable to that student, and may challenge the accuracy or the appropriateness of retention of information in the college record.

Student Right-to-Know

In compliance with the Student Right-To-Know and Campus Security Act of 1990, it is the policy of the Citrus Community College District and Citrus College to make available its completion and transfer rates to all current and prospective students.

Student Right-To-Know (SRTK) refers to a Federally-mandated public disclosure of a college's Completion Rate and Transfer Rate. The intent of SRTK is to provide to the consumer a statistic of comparable effectiveness that they can use in the determination of college choice. All colleges nationwide were effectively required to participate in the disclosure of rates by January 2000.

SRTK is a "cohort" study; that is, a group of students who are first-time freshmen, are enrolled full-time and are degree-seeking is identified in a fall term and their outcomes are measured over a period of time. The outcomes that the two SRTK rates measure are Completion (the total number of students in the cohort who earn either a degree, a certificate, or who successfully completed a two year-equivalent transfer-preparatory program) and Transfer (the total number of cohort non-completers who were identified as having enrolled in another institution). The tracking period of the cohorts is three (3) years, at which time the SRTK rates are calculated and made public.

SRTK Rates are derived and reported yearly on the IPEDS-GRS (Integrated Postsecondary Educational Data System-Graduation Rate Survey). The IPEDS-GRS also tracks part-time student cohorts over a six (6) year period; however, full-time cohort status after 3 years is the only basis for calculating SRTK rates.

Access to the Citrus College Student Right-To-Know Rates and further information about the rates and how they should be interpreted is available through the "Student Right-To-Know Information Clearinghouse" web site maintained by the Chancellor's Office, California Community Colleges at

<http://srtk.cccco.edu/index.asp>

Questions concerning student's rights under the privacy act should be directed to the Admissions and Records Office, 626-914-8511.



Clockwise from top left:

Citrus Union High School circa 1915

Citrus Junior College was founded in 1915 and operated alongside Citrus Union High School. The college, which opened with an enrollment of 27 students, is the oldest community college in Los Angeles County and the fifth oldest community college in California.

Citrus College Today

The college occupies a 104-acre campus and currently serves approximately 14,500 students. The college recently received a six-year Reaffirmation of Accreditation from ACCJC/WASC.

Citrus Students circa 1915

Regarding Citrus Junior College's new school bus, Citrus Speaks noted, "Described as a 'truck,' the bus had no windows or doors but had running boards like the streetcars of the day."

Cheering Students

Modern-day Citrus College students are captured in a celebratory mood.

Faculty and Administrators

(Date of appointment follows name)

- Abas, Audrey** (1980)
DSP&S Counselor
B.A., M.A., University of Wyoming
- Afzali, Ana** (1997)
Spanish
A.S., Westbrook College; B.A.,
University of Maryland; M.A.
Ph.D., University of California,
Los Angeles
- Allahbachayo, Salima** (2009)
Nursing
B.A., Aga Khan University;
M.S., University of California,
Los Angeles
- Allen, Ann** (2005)
Director of Child Development
Center
B.S., California State
University, Northridge; M.F.T.,
Philips Graduate Institute;
Ed.D., Nova Southeastern
University
- Anderson, Brian** (1999)
Mathematics
B.S., Hofstra University; M.A.,
Claremont Graduate School
- Anson, Melanie** (1988)
Public Address/Speech
B.A., University of California,
Los Angeles; M.A., Ph.D.,
University of Southern California
- Arredondo, Dora** (2004)
Dental Technology
B.S., University of Phoenix
- Avalos, Steve** (2000)
Counseling
A.A., Mt San Antonio College;
B.A., California State
University, Long Beach; M.A.,
Azusa Pacific University
- Bakhit, Kathy** (2004)
Economics
B.S., M.S., California State
Polytechnic University, Pomona
- Bautista, Susan** (2006)
Cosmetology
A.S., Mount San Antonio College
- Bigby, Shauna** (2006)
College Nurse
A.A., Mount Saint Mary's
College; B.S., University of
Southern California; M.S.,
California State University,
Long Beach
- Boquiren, Connie** (1997)
Licensed Vocational Nursing
B.S.N., M.Ed., Saint Louis
University
- Borja, Patrick** (2004)
Accounting
B.S., M.A., M.B.A., California
State University, Los Angeles
- Bowman, Deborah** (2004)
Licensed Vocational Nursing
B.S., California State
University, Fullerton
- Boxley, Jackie** (2004)
Physical Education
B.S., California State
University, Fullerton; M.A.,
Azusa Pacific University
- Brawner, Mary** (1990)
Physical Education
B.S., Fort Hays State
University; M.S., Fort Hays
State University
- Brooks, Ervalyn** (2002)
Director of Cosmetology
A.A., Fullerton College
- Brown, Cherie** (1998)
Fine Arts
B.A., California State
University, Fullerton; M.F.A.,
University of California, Irvine
- Brown, David** (1999)
Automotive
A.S., Citrus College
- Brown, Rick** (2006)
Psychology
B.A., University of Louisville;
M.A., Ph.D., Emory Institute
- Buchwald, Rosalinda** (1983)
Director of Fiscal Services
B.S., University of La Verne
- Call, Jack** (1999)
Philosophy
B.A., California State
University, Los Angeles; M.A.,
Ph.D., Claremont Graduate
School
- Carr, Darrell** (1990)
Photography
A.A., Citrus College; B.A.,
California State University,
Los Angeles
- Carver, Sally A.** (1980)
Cosmetology
A.S., Citrus College; Voc.
Credential, University of
California, Los Angeles
- Casey, David** (2001)
Mathematics
B.A., Carleton College; M.A.,
University of Washington; J.D.,
University of Toledo
- Castillo, Claudia** (2004)
Counseling
B.A., California State
University, Fullerton; M.A.,
Chapman University
- Clark, Jeremy** (2001)
Automotive
B.S., California State
University, Long Beach
- Colville, L. Holly** (1991)
Spanish
B.A., University of California,
Los Angeles; Vocational
Credential, University of
California, Los Angeles; M.A.,
University of California, Los
Angeles
- Cross, Cynthia** (2005)
ESL
B.A., University of California,
Riverside; M.A., California
State Polytechnic University,
Pomona
- Cummins, Shuling** (1976)
Mathematics
B.S., M.S., California State
Polytechnic University, Pomona
- Dau, Carsten** (1997)
English
B.A., M.A., Louisiana State
University
- Duffy, Dyane** (2001)
Art
B.A., California State
University, Chico; M.F.A.,
Claremont Graduate School
- Durfield, Timothy** (2006)
Business
B.S., M.B.A., Azusa Pacific
University; J.D., Western
State University College of Law

- Eckardt, Christopher** (2009)
Automotive Technology
A.S., Chaffey College
- Eiland, Thomas** (1997)
English
B.A., M.A., California State Polytechnic University, Pomona
- Eisel, Gunnar** (1989)
Music
A.A., Citrus College; B.A., California State University, Long Beach; M.A., California State University, Fullerton
- Eisel, Roberta** (2000)
English
B.A., California State University, Long Beach; M.A., Occidental College; M.P.A., California State University, Los Angeles
- Ellis, Jeanette** (2006)
Licensed Vocational Nursing
B.S., M.S., University of Phoenix
- Eng, Marilyn** (1984)
Counseling
B.S., Miami University, Ohio; M.A., Ohio State University
- Everest, Rob** (1999)
Mathematics
B.A., M.S., Southern Oregon University; M.A., Azusa Pacific University
- Farahani, Badieh** (2006)
Chemistry
B.S.E., The University of Michigan; M.S., California State Polytechnic University
- Fernandes, Richard** (1992)
Architectural Drafting
B.A., San Diego State University; M.A., California State University Los Angeles; Ph.D., Pepperdine University
- Fincher, John** (1998)
Language Arts/Speech
B.S., West Georgia College; M.A., California State University Los Angeles
- Fink, Brenda** (1996)
Human Resources/Staff Diversity Officer
B.A., M.A., University of La Verne; M.B.A., University of Redlands
- Flores, Richard** (1998)
Computer Science & Information Systems
B.A., M.A., California State University Northridge; M.S., Pepperdine University
- Galvan, Alex** (1996)
Music
B.A., M.A., California State University, Los Angeles
- Garate, Elisabeth** (2000)
Spanish
B.A., M.A., California State University, Los Angeles; Ph.D., University of California, Los Angeles
- Ghidella, Richard** (2004)
Business
B.A., M.B.A., California State University, Fullerton
- Glover, Patty** (2004)
Cosmetology
B.S., California State University, San Bernardino
- Gomez, Steven** (2001)
Physical Education
B.S., M.S., California State Polytechnic University, Pomona
- Gong, Catherine** (1994)
Mathematics
B.A., University of California, Santa Cruz; M.A., University of California, Berkeley
- Gonzalez, Rudy** (2006)
Mathematics
B.A., M.S., California State University, Los Angeles
- Gonzales-Tapia, Sara**
Director of EOP&S, CARE and CalWORKS
B.A., M.Ed., University of California, Los Angeles
- Goodman, Robert** (2000)
Forestry
B.S., California State Polytechnic University, Pomona; M.S., California State Polytechnic University, Pomona
- Graciano, Albert** (2002)
Cosmetology
Teaching Credential, University of California, Los Angeles
- Grauso, Lynda** (1999)
Licensed Vocational Nursing
A.A., Pasadena City College; B.S.N., University of Phoenix; M.H.A., University of La Verne
- Green, Martin** (2005)
Music
B.M.U., Brigham Young University; M.A., California State University, Fullerton
- Green, Paula** (2005)
Director of Communications
B.A., Pitzer College; M.A., Michigan State University
- Greene, David** (2006)
Licensed Vocational Nursing
A.S., Citrus College; B.S., M.S., University of Phoenix
- Greenwell-Cunningham, Maia** (1997)
Sociology
B.A., University of Idaho; M.A., Washington State University
- Greer, Maurice** (1989)
Physical Education
A.A., Long Beach City College; B.S., California State University San Jose; M.S., California State Polytechnic University, Pomona
- Gregg, Judy** (1990)
Human Development
B.A., University of California, Berkeley; M.A., Pacific Oaks College
- Grossman, Bruce** (2004)
Business
B.S., State University of New York, Binghamton; J.D., Washington University
- Guebert, Toby** (1996)
Foreign Language
B.A., M.A., University of Illinois
- Gunderson, Mark** (2000)
Reading
B.A., University of Maryland; M.S., Johns Hopkins University
- Gunstream, Marilyn E.** (1976)
Physical Education
B.A., California State University Los Angeles; M.A., Azusa Pacific University
- Gutierrez, Jesus** (2008)
Mathematics
B.S., University of California, Los Angeles; M.S., Cal State Long Beach
- Guttman, Kenneth** (1991)
Psychology
B.A., University of California, Los Angeles; M.A., California State University Los Angeles; Ph.D., California School of

Professional Psychology
Hadsell, Cliff (2004)
 Emergency Medical Technician
 B.S., University of La Verne;
 M.P.A., California State
 University, Long Beach; Ph.D.,
 University of Nebraska,
 Lincoln

Hahn, Shelly (1999)
 Child Development
 B.A., California State
 Polytechnic University,
 Pomona; M.A., California
 State University, Los Angeles

Hamilton, B. Jeanne (1986)
 Vice President of Student
 Services
 B.A., Baylor University;
 M.S.S.W., University of
 Louisville; Ph.D., Claremont
 Graduate School

Han, June (2007)
 Biology
 B.S., M.S., University of
 California, San Diego; M.A.,
 Ph.D., University of California,
 Los Angeles

Hao, Lan (2006)
 Director of Institutional
 Research
 B.A., Tsinghua University,
 M.E., Ph.D., University
 of Southern California

Harrington, Michael (2001)
 Director of Facilities & Support
 Services
 B.A., M.A., California State
 Polytechnic University, Pomona

Hartman, Steven (1987)
 Adapted Physical Education
 B.S., M.S. Brigham Young
 University

Harvey, Joseph (1990)
 Reading
 B.A., M.A., City College of
 New York

Hathaway, George (1998)
 Earth Sciences
 B.S., San Diego State
 University; Ph.D., University of
 California, Los Angeles

Hays, Dorothy (2000)
 Counseling
 B.A., California State
 University, Los Angeles; M.A.,
 Pacific Oaks College

Hernandez, Salvador (2004)
 Cosmetology
 A.A., East Los Angeles College

Herrera, Rafael (2007)
 Counseling
 A.A., Mt. San Antonio College;
 B.A., California State
 University, Fullerton; M.S.,
 University of La Verne

Hester, Dana (1998)
 Biological Sciences
 B.S., University of Pittsburgh;
 M.S., University of Houston

Hillman, Michael (1997)
 Ceramics
 B.A., M.A., California State
 University, Long Beach

Hinrichsen, Greg (1979)
 Director, Haugh Performing
 Arts Center
 A.A., Chaffey College; B.A.,
 California State University
 Fullerton; M.S. University of
 La Verne

Hoehne, William (2000)
 Music
 B.M.E., University of North
 Texas; M.M., University of
 Miami

Hogan, Gina (2005)
 English
 B.S., M.S., M.A., California
 State Polytechnic University,
 Pomona

Holland, Kim H. (1995)
 Director, Workforce
 Development
 A.A., Citrus College; B.A., M.A.,
 Azusa Pacific University; Ph.D.,
 William Lyon University

Horton, Carol (1995)
 Vice President, Finance and
 Admin Services
 B.S., Western Kentucky
 University; M.Ed., University of
 Louisville

Hurtado, Michael (1973)
 Dean of Social & Behavioral
 Sciences
 B.A., M.S., University of La
 Verne; Ph.D., Brigham Young
 University

Iverson, Robert (2008)
 Director of Purchasing &
 Warehouse
 B.A., California State
 University, San Bernardino

Jackson, Matt (2001)
 Art
 B.S., California State
 University, Dominguez Hills;
 M.A., M.F.A., California State
 University, Fullerton

James, Rhoda (1995)
 Business
 B.S.Ed., Chicago State
 University; M.A., California
 State University, Los Angeles;
 Ed.D., University of La Verne

Johnson, Sandra (1990)
 Art
 A.A., Pasadena City College
 B.A., M.A., California State
 University, Los Angeles

Kaisler, Denise (2004)
 B.Sc., University of Western
 Ontario; M.Sc., McMaster
 University; M.S., Ph.D.,
 University of California,
 Los Angeles

Kary, David (1999)
 Astronomy
 B.S., University of British
 Columbia; Ph.D., State
 University New York at Stony
 Brook

Kim, Andrew (2004)
 Behavioral Sciences
 B.S., University of California,
 San Diego; M.A., Ph.D.,
 University of California,
 Los Angeles

Kondo, Arnold (1997)
 Biological Sciences
 B.S., University of California,
 Davis; M.S., University of
 California, Riverside

Korn, Dennis (1991)
 Automotive Technology
 A.S., Chaffey College; B.V.E.,
 M.A., California State
 University, San Bernardino

Lancaster, James (2000)
 Dean of Career, Technical and
 Continuing Education
 A.S., Cerritos College; B.V.E.,
 California State University,
 Long Beach; M.A., California
 State University, Los Angeles

Langford, Bruce (1997)
 Music
 B.M., California Institute of the
 Arts; M.M., Southwestern
 Theological School of Music

- Lawrence, Patricia** (1991)
Reading
A.A., San Bernardino Valley
C.C.; B.A., M.A., California
State University, Los Angeles
- Lee, Samuel** (2002)
Dean of Language Arts &
Enrollment Management
B.A., California State
University, Fresno; M.S.,
University of Southern
California; Ed.D., University of
La Verne
- Lerette, Caroline** (2001)
Cosmetology
B.A., Union Institute
- Lindsey, Stephen** (1987)
Dean of Business, CSIS,
Distance Education & Library
B.A., Claremont Men's College;
J.D., Loyola University
- Longyear, Alicia** (2006)
Student Athletics
B.A., University of Redlands;
M.S., University of La Verne;
Certificate in Sport
Counseling, University of
La Verne
- Low, Joyce** (1999)
Mathematics
B.S., M.A., University of
Alabama; M.S., University of
Southern California
- Lubisich, Senya** (2004)
History
B.A., M.A., Ph.D., University of
California, Riverside
- Lucido, Grace** (2005)
Cosmetology
B.V.E., M.A., California State
University Long Beach
- Malmgren, Irene** (2005)
Vice President of Academic
Affairs
A.A., Santa Ana College; B.A.,
M.A., California State
University, Fullerton; M.A.,
Chapman University; Ed.D.,
University of La Verne
- McBurney, Robin** (1997)
Counseling
A.A., Eckerd College; B.A.,
University of California, Santa
Cruz; M.S., California State
University, Los Angeles
- McClain, James** (1986)
Dean of Mathematics & Health
Sciences
B.S.M.E., Northern Arizona
University; M.Ed., Azusa Pacific
University
- McDonald, Martha** (2004)
Dean of Students
B.A., M.A., Chapman University
- McGarry, Anna** (1999)
Spanish
B.A., M.A., University of
California, Davis; M.A.,
California State University,
Sacramento
- McLeod, Jennifer** (2006)
Disabled Student Programs
and Services Coordinator
B.A., Southern California
College/Vanguard University;
M.S., California School of
Professional Psychology/Alliant
International University, San
Diego
- Mead, Rachel** (2006)
Cosmetology
Lifetime Credential
- Medina, Lilia** (2005)
Director of Financial Aid
A.A., Cerritos College; B.A.,
California State University,
Dominguez Hills
- Medrano, Esmeralda** (2006)
Mathematics
B.S., University of California,
Los Angeles, M.S., California
State University, Los Angeles
- Mendoza, Natalie** (2005)
Counseling
B.S., California State
University, Fullerton; M.S.,
California State University,
Los Angeles
- Merandi, Michael** (1986)
Physical Education
B.S., M.A., California State
University, Los Angeles
- Mercurio, Vincent R.** (1988)
Disabled Student Programs
and Services
A.A., Citrus College; B.A.,
University of La Verne; M.A.,
Azusa Pacific University
- Miles, Terrence** (1998)
Physical Science
B.S., California State
University, Northridge; M.A.,
University of California, Santa
Barbara
- Mondrala, Scott** (2005)
Biology
A.S., Citrus College; B.S.,
P.h.D., University of California,
Riverside
- Morrison, Joanne** (1983)
Mathematics
B.A., Pomona College; M.A.,
University of Southern
California
- Munoz, Gino** (2007)
Music
A.A., Citrus College; B.A.,
M.M., Azusa Pacific University
- Mustain, James** (2001)
Computer Science &
Information Systems
B.A., University of California,
Los Angeles; M.S., University
of Southern California; M.B.A.,
California State University,
Long Beach
- Nguyenhuu, Rick** (2000)
Mathematics
B.S., California State
University, Fullerton; M.S.,
California State University,
San Bernardino
- Odrich, Steve** (1990)
Mathematics
A.A., Los Angeles Valley
College; B.A., M.S., California
State University, Northridge;
M.S., California State
University, Los Angeles
- O'Hara, Stephen** (2000)
Recording Arts Technology
- O'Neil, Margaret** (1990)
Journalism
B.A., St. Mary's College; M.A.,
Creighton University
- Over, Lucinda** (1995)
Dean of Counseling
B.A., M.A., Azusa Pacific
University; Ed.D. University of
La Verne
- Overly, David** (1991)
English
B.A., University of So. Florida;
M.A., University of Southern
California

- Paek, Hyeyi** (1991)
Mathematics
B.A., University of California, Los Angeles; M.S., California State University, Northridge
- Papner, Lois** (1999)
Dean of Admissions and Records
A.S., Victor Valley College; B.S., M.B.A., Golden Gate University
- Perri, Geraldine M.** (2008)
Superintendent/President
A.A., Hostos Community College; B.S., M.A., New York University; M.A., Ph.D., Fielding Graduate University
- Perry, Carolyn** (1997)
Human Development
B.A., California State University, Long Beach; M.A., University of La Verne
- Peters, Gerhard** (2007)
Political Science
A.B., Georgetown University; M.A., University of San Diego; M.A., C.Phil., University of California, Santa Barbara
- Plug, Michelle** (2006)
Articulation Officer
B.A., CSU Fullerton; M.S., Educational Counseling, University of La Verne
- Pohl, Claudia** (1999)
Dental Assisting
A.S., Chaffey College; B.A., California State University, San Bernardino
- Rabito, Eric R.** (1994)
Dean of Physical & Natural Sciences
B.S., California State Polytechnic University, Pomona; M.A., University of California, Riverside
- Rachford, Mary Ann** (1997)
Multi-Media
A.A., Pasadena City College; B.A., M.A., California State University, Los Angeles
- Ramos, Gloria** (2004)
Physical Sciences
B.S., M.S., Florida International University
- Renaghan, Maureen** (2000)
Director of Health Sciences
A.S., Rio Hondo College; B.S., M.S., University of Phoenix; DNP, Case Western Reserve University
- Richard, Levi** (2001)
Business
B.A., M.B.A., Azusa Pacific University; DBA, Alliant International University
- Riderer, Lucia** (2005)
Mathematics
B.S., Babes Bolya University; M.A., California State University, San Bernardino
- Rivadeneira, Justina** (2001)
Counseling
B.A., M.A., California State University, San Bernardino
- Ross, Glen** (1994)
Political Science
B.A., University of Utah; M.A., Brigham Young University
- Rudd, Rebecca** (2006)
English
A.A., Orange Coast College; B.A., M.A., California State University San Bernardino
- Ryba, David** (1995)
Physical Science
B.S., Harvey Mudd College; Ph.D., University of California, Santa Barbara
- Saldana, Rudy** (1997)
Philosophy
A.A., Mt. San Antonio College; B.A., California State University, Fullerton; M.A., Claremont Graduate School
- Salwak, Dale F.** (1973)
English
B.A., Purdue University; M.A., Ph.D., University of Southern California
- Sammis, Robert** (2008)
Director of Human Resources and District Chief Negotiator
B.A., California State University, Long Beach; J.D., Glendale University College of Law
- Scott, Christopher** (1997)
Mathematics and Physics
B.S., M.S., University of California, Los Angeles
- Shannon, James** (1974)
Psychology
B.A., M.S., California State University, Los Angeles
- Shaw, Nickawanna** (2006)
Physical Education
B.A., Mount Holyoke College; M.S., Smith College
- Shimokawa, Kristie-Ann** (2006)
Noncredit Counseling and Matriculation
B.A., University of Hawaii at Manoa, Honolulu; M.S., California State University, Los Angeles
- Shrope, Douglas** (1994)
Music
B.A., California State University, Los Angeles
- Skalicky, James** (1988)
Psychology
B.S., M.A., Loyola University; Ph.D. Kansas State University
- Slack, Robert** (1987)
Dean of Fine and Performing Arts
A.A., Solano College; B.A., California State University, Chico; M.M., Indiana University
- Smolin, Robert** (2001)
Business
B.A., California State University, Fullerton; M.B.A., California State University, Long Beach
- Smythe, Sylvia** (2007)
Director of College Success
A.A., Cypress College; B.A., California State University, Fullerton; M.A., San Jose State University
- Solheim, Bruce** (1998)
History
B.A., Campbell University; M.A., Pacific Lutheran University; Ph.D., Bowling Green State University
- Solis, Roberto** (2000)
Computer Science & Information Systems
A.S., National Institute of Technology; B.S., California State University, Los Angeles; M.S., Azusa Pacific University

- Soremekun, Fola** (1992)
History
B.A., Illinois Wesleyan University; M.A., Ph.D., Northwestern University
- Stoner, Bruce L.** (1978)
Electronics
A.A., East Los Angeles College; Vocational Credential, University of California, Los Angeles
- Styles, Christine** (2008)
Economics
B.A., San Diego State University; M.A., Ohio State University
- Swan, Alfie** (1999)
Mathematics
B.S., M.S., California State University, Los Angeles
- Swatzel, James** (2004)
Mathematics
B.S., University of Redlands; M.A., California State University San Bernardino
- Telesca, Lisa** (1995)
English
B.A., M.A., Loyola Marymount University
- Tippins, Ralph** (1990)
Mathematics
B.A., Humboldt State University; M.S., Ohio State University
- Trad, Mohamad** (2001)
Mathematics
B.A., M.A., California State University, San Bernardino
- Tucker, Connie** (1991)
English as a Second Language
B.A., Australian National University; M.A., University of California, Los Angeles
- Tucker, Gail** (1990)
Licensed Vocational Nursing
B.S., B.A., Azusa Pacific University
- Tussy, Alan S.** (1988)
Mathematics
B.S., University of Redlands; M.S., California State University, Los Angeles
- Van Citters, Beverly E.** (1990)
Reading
B.S., M.Ed., Penn State University; Ph.D., University of Pittsburgh
- Van Horn, Tasha** (1998)
Language Arts/Speech
B.A., M.A. California State University, Fullerton
- Vaughan, John** (1999)
Dance
B.F.A., University of North Carolina at Greensboro
- Villa, Elizabeth** (2004)
Counseling
B.A., California State Polytechnic University, Pomona; M.S., University of La Verne
- Villegas, Laura** (1995)
Counseling
A.A., Citrus College; B.A., California State University, Los Angeles; M.A., University of Redlands
- Villeneuve, Anna** (2000)
English
B.A., M.A., Humboldt State University
- Villeneuve, Theresa** (2000)
Journalism
B.A., University of California, Santa Barbara; M.A., University of Colorado
- Volonte, Daniel** (2004)
Theatre Arts
A.A., Citrus College; B.A., M.F.A., California State University, Fullerton
- Waddington, Brian** (2000)
Social Science
B.A., University of California, Berkeley; M.A., San Francisco State University
- Walz, Sheryl** (2005)
Sociology
A.A., Fullerton College; B.A., M.A., California State University, Fullerton
- Welz, Linda** (2005)
Chief Information Services Officer
B.A., Bowling Green State University; M.A., University of South Carolina
- White, Gailynn** (1999)
Sociology
B.A., M.A., Arizona State University
- White, Sheila** (2000)
Mathematics
B.A., M.A., California State University, Fullerton
- Wise, Jody** (2004)
Dean of Physical Education & Athletics
B.A., University of Nebraska, Kearney; M.S., University of Arizona
- Wong, Julie** (1991)
Licensed Vocational Nursing
C.C.R.N, Amer. Assoc. of Critical Care Nurses; B.S., California State University, Long Beach
- Wood, Jack** (1990)
English
B.A., M.F.A., University of Iowa
- Woolum, James** (1999)
Administration of Justice
A.A., Mt. San Antonio College; B.S., California State University, Los Angeles; M.P.A., University of Southern California
- Wurst, Clifton** (1992)
Adapted Physical Education and Aquatics
B.A., University of Dubuque; M.A., Azusa Pacific University
- Yee, Stephanie** (2008)
Counseling
B.A., University of California, Los Angeles; M.S., California State University, Northridge
- Zaharek, James** (1996)
Administration of Justice
B.A., M.A., California State University, Los Angeles
- Zhuang, Ying** (1999)
Computer Science
B.S., Gueizhou Institute of Technology; M.S., Jiangsu Institute of Technology; M.S., Oklahoma State University

Faculty and Administrators Emeriti

- ALVARADO, BERTHA** (1994)
Cosmetology
- ANDERSON, FRANK D.** (1987)
Physical Education
- ANDRUS, GEORGEANN** (1996)
Biological Sciences
- ANDRUS, PATRICIA** (1989)
Nursing
- BAGGETT, PAT J.** (2002)
Business
- BARNEY, PATRICIA** (1998)
Associate Dean of Letters
- BARTEL, BARTON** (1997)
Dean of Faculty
- BARTON, EUGENE** (1994)
Physics/Engineering
- BASONE, NELLIE** (1994)
Cosmetology
- BEAN, ELIZABETH E.** (1967)
Zoology
- BILLUPS, ROBERT E.** (2000)
Mathematics
- BOHATCH, GENE** (2010)
Director of International Trade Center
- BOLLINGER, BEN D.** (2005)
Dean of Fine and Performing Arts
- BOWMAN, GALEN** (1984)
Counseling
- BRADLEY, BETTY L.** (1969)
Dental Assisting
- BRATT, GEORGE** (1988)
Mechanical Technology
- BRIONES, ARTHUR M.** (2004)
Dean of Counseling
- BUKOWSKI, MARY** (1999)
Cosmetology
- BULLOCK, ROBERT S.** (2001)
Art
- BURNETT, GARY A.** (2001)
Physical Education
- BUSTIN, P. ELAINE** (1987)
Medical Assisting
- CAIN, PATRICK T.** (2001)
Counseling
- CAMPBELL, WARREN** (1992)
Social Sciences
- CARLSON, FREDERIC** (1998)
Speech, Drama
- CARLSON, GEORGE** (2002)
Astronomy
- CASSEY, JOHN** (2002)
Social Science
- CHANDLER, DONALD** (1988)
Cosmetology
- CLARK, REGINALD** (2005)
English
- CLAPROOD, ROBERT L.** (2004)
Associate Dean of Physical Education Health and Athletics
- CLARK, CLARA** (1995)
Vocational Nursing
- CLINE, GENA B.** (1972)
College Nurse
- COLLATO, FRANCES** (2001)
Director of Foundation and Grants
- COLLETT, WILLIAM** (1983)
Cosmetology
- COLLINS, MARILYN** (2006)
Director of Health Occupations
- CONKLIN, AUGUST** (1981)
Biological Science
- CONLY, EDWARD** (1989)
Physical Education
- CORNETT, WILLIAM** (2009)
Diesel Technology
- COX, MELANIE** (2003)
Dean of Admissions and Financial Aid
- COX, THOMAS C.** (2005)
Automotive Technology
- CULBERTSON, PATRICK** (2008)
English as a Second Language
- CUNNYNGHAM, WANDA** (2008)
Dean of Career, Technical, Continuing and Contract Education
- DAMRON, TERRENCE** (2006)
Dean of Science/Engineering and Health Occupations
- DENNINGHOFF, BEULAH** (1982)
Vocational Nursing
- DESIDERIO, ANTHONY** (1994)
Music
- DIAMOND, HELEN** (1987)
Business
- DIAZ, JOSEPH** (1984)
Counseling
- DIMIT, CAROL J.** (2004)
Dental Assisting
- DOLD, JUDY** (1999)
Dental Assisting
- DWYER, JOHN** (1995)
Counseling
- EBERSOLD, LEO** (1959)
Adult Education, Principal
- EDWARDS, NEIL** (2002)
Physical Education
- EDWARDS, ROY G.** (1987)
Mechanical Technology
- EMERICK, SYLVIA** (1983)
Business
- ENDICOTT, HATTIE W.** (1975)
Cosmetology
- ERICKSON, EDITH** (2000)
Foreign Languages
- EVANS, ROBERT** (2009)
Philosophy
- FISHER, CHARLES** (2003)
Cosmetology
- FRENCH, UNA M.** (1959)
Modern Languages
- GARBY, HELEN M.** (1981)
English
- GASS, ADNEY D. JR.** (1987)
Art
- GERFEN, THOMAS W.** (2006)
Interim Dean CSIS
- GORELICK, GLENN A.** (2007)
Biological Sciences
- GRACIAL, LILIAN** (1988)
Foreign Language
- GUILLAUME, GORDON** (1994)
Mathematics
- GULDBERG, GLENDON R.** (1991)
Vice President of Instruction
- GULLI, JAMES** (2004)
Dean of Physical Education, Health and Athletes
- HAINLINE, VAN** (1996)
Biological Sciences
- HALCROW, KATHERINE** (2009)
Librarian
- HALLETT, ROBERT** (1983)
Art
- HANDY, ROSS** (1984)
Vice President/Assistant to President
- HARDIN, BOBBYE** (1989)
Counselor/Financial Aid Director
- HARDING, PEGGY** (2000)
Reading
- HARGETT, GLENN E.** (1978)
Reading

HAUGH, ROBERT D. (1981)
Superintendent/President

HAYDEN, FLOYD S. (1945)
Superintendent/President

HERDEG, HAROLD L. (1952)
Industrial Technology

HERRING, DENNISON C. (1979)
Art

HODSON, ELLENOR (2005)
Director of Child Development Center

HOLLAND, ROBERT (1993)
Business

HUMPHREY, LINDA T. (2004)
English

HUNSICKER, KARL (2007)
Mathematics

HUSUNG, WILLIAM (1988)
Drafting

HURLIMANN, PETER (1994)
Chemistry

ISHIDA, JOE (1990)
Mechanical Technology

ITO, TOSHIKO (1991)
Cosmetology

JANSS, JACK C. (2001)
Associate Dean of Liberal Arts

JENKINS, ROBERT (1988)
Art

JENSEN, JAMES M. (1977)
History, Government, Education

JOHNSON, ANNE (1990)
Language Arts

JOHNSON, ARMIN (1988)
Photography

JOHNSON, BERNICE (2004)
Director of Cosmetology

JOHNSON, MANLEY (1988)
Behavioral Science

JONES, MARIE (1990)
Vocational Nursing

KAKUUCHI, JACK H. (1986)
Physical Education

KEARNEY, DOROTHY L. (1981)
Dean of Counseling and Guidance

KEITH, EDWIN (1999)
Business

KELLY, VINCENT (1998)
Mathematics

KELLY, DR. WIN (1984)
Language Arts

KERR, MARIANNE (1995)
Physical Education

LANGE, LILLIAN (1982)
Cosmetology

LEASON, CHRISTOPHER (1994)
Counseling

LENGEFELD, UELAINE (2005)
Language Arts

LEOS, RONALD (2007)
Political Science

LEVY, RONALD (1976)
Psychology

LINDOERFER, SANDRA (2008)
Director of Human Resources

LORENZEN, BETTY JO (1982)
Dental Assisting

LYNCH, MINNIE J. (1962)
Business

MADSEN, DONALD L. (1981)
Vice President - Student Personnel

MAGLIOCCO, FRANK (1983)
Music

MALONE, JEAN (2004) - Vice President of Human Resources and District Chief Negotiator

MANGOLD, CAROL (1983)
Vocational Nursing

McCRUMBY, ELAINE (2002)
Business

McCUSKER, WILLIAM (2005)
Director of Computer Center

McDONNELL, ROBERT I., JR. (1987)
Physics and Engineering

McKEE, JANE M. (1977)
Sociology

McLEOD, IRENE (1958)
Librarian

MERCURIO, BLAS (1981)
Foreign Languages

MEYERS, BILLY (1986)
Automotive Technology

MILLER, KENT (2004)
Physics

MILLER, ROBERT (1983)
Chemistry

MINER, LEO E. (1987)
Mechanical Technology

MOORE, ELANIE (2010)
Art

MORRIS, MILDRED B. (1956)
Business

MURPHY, JOANNE (1996)
Business

NEWBY, BARBARA (2005)
Interim Director, Child Development Center

NEWELL, JERRY (2006)
Psychology

NUGENT, JAMES R. (1968)
Mechanical Technology

PETERSON, DAVE (2002)
Physical Education

PRAY, BEVERLY (2002)
College Nurse

PRIBBLE, GENE (2003)
Business

PURDUM, MARGARET (1950)
Dean of Women, Language

RALLS, WILLIAM (2003)
Physical Education

RAMOS, CAROLYN (1990)
Art

RAMPOLDI, NELLY (1991)
Foreign Language

RAWSON, JAN (1990)
Language Arts

REYNOLDS, R.E. (Mack) (1967)
Coordinator of Distributive Education

RIDAY, GEORGE (2003)
Behavioral Sciences

RINGLAND, GEORGE V. (1971)
Language Arts

ROLLIN, ARNOLD (2007)
Dean of Students

ROMERO, ISAAC J. (1994)
Executive Vice President of Instruction

ROY, JOHN (1983) - Drafting

RUGELEY, BARBARA (2010)
Librarian

SANDHAGEN, ROBERT (2002)
Cosmetology

SANGER, C. SALLY (2004)
Behavioral Science

SARCHETT, EVELYN (1988)
School Nurse

SCHAUDT, JOLYNN (1988)
Music

SCHNEIDER, DAVID (2005)
Interim Director of Computer Center

SCHOTT, HENRY A. (1953)
Industrial Technology, Coach

SCHREIBER, WILLIAM (2003)
Economics

SHARPSTEEN, MILDRED (1989)
Library

SHIREY, KEITH (1998)
Philosophy and Political Science

SMALL, MICHELLE C. (2003)
Director of Publications and
Student Recruitment

SMITH, BARBARA (1993)
Counseling

SMITH, GRANT L. (1972)
Vice President, Asst. Supt.
Business

SMITH, MARJORIE (1983)
Physical Education, Health,
Athletics

SMITH, TERRY R. (2000)
Transportation Technology

SMITH, WESLEY (1958) - Social
Sciences

SMYTH, EDMUND O. (1976)
Vice President - Student
Personnel

SNYDER, EDWARD C. (1956)
Engineering, Physics

SPAUN, JACK (2003)
Behavioral Science

STEVENS, MARSCHALL (1996)
Biological Sciences

STRYCUA, JOHN A. (1987)
Physical Education, Health,
Athletics

STURGES, DAVID (1958)
Biology/Life Science

SUNDSTRAND, LYNDON (1994)
Associate Dean of Instruction

SWOPE, LAURA P. (1956)
Art

TAYLOR, EUGENE (1992)
Political Science

TAYLOR, ROGER (1994)
Foreign Languages

TEFFT, THOMAS (2000)
Dept Chair Art/Social Sciences

TELLENBACH, ERIC (1999)
Associate Dean Mathematics &
Computer Science

THOMAS, JAMES C. (1978)
Electronics

THOMAS, LEO (1985)
Vice President/Instruction,
Behavioral Science

THOMPSON, JOHN (2009)
Dean of Library

THOMPSON, MYRTLE (1992)
Health Occupations

THROSSELL, JOY (1988)
Cosmetology

TRENT, DEE (1994) Geology
and Physical Geography

TRONAAS, EDWARD (1993)
Executive Vice President of
Instruction

ULRICH, WILLIAM (1990)
Language Arts

VANIMAN, GLENN G. (1967)
Superintendent/President

VAUGEOIS, FRED (2001)
Director of Facilities and
Support Services

VIERA, MICHAEL J. (2008)
Superintendent/President

VINCENT, THEODORE J. (1975)
Astronomy

WALDORF, EUGENE H. (1983)
Physical Science

WATERS, H. P. (1985)
Handicapped Enabler/Dean of
Student Activities

WATKINS, D. JOAN (1991)
Vocational Nursing

WHITE, JOAN E. (1981)
English and Philosophy

WILLIAMS, JAMES D. (2005)
Interim Vice President of
Instruction

WILSON, HAMILTON (1989)
Cosmetology

WISDOM, ALINE CROWLEY
(1979)
Librarian

WOODWARD, DIANE (2008)
Fine Arts/Dance

YOUNG, OLGA (2000)
Counseling

ZAREMBINSKI, MILADA I.
(1974)
Foreign Language

ZAVIDOWSKY, BERNARD
(1988)
Language Arts

ZELLERS, LOUIS E. (2003)
Superintendent/President

Definitions of Terms

Admissions and Records—The office and staff that admits students and certifies their legal record of college work; also provides legal statistical data for the college.

Application for Admission—A form provided by the college on which the student enters identifying data and requests admittance to a specific semester or session. An application must be filed and processed before registration in classes.

ASCC Sticker—Membership sticker of the Associated Students of Citrus College purchased each semester.

Associate Degree (A.A. or A.S.)—A degree (associate in arts or associate in science) granted by a community college which recognizes satisfactory completion of an organized program of study consisting of at least 60 to 64 semester units.

Bachelor's Degree (B.A., A.B., or B.S.)—A degree granted by a four-year college or university which recognizes a student's satisfactory completion of an organized program of study consisting of at least 120 to 130 semester units.

Certificate of Achievement—A certification granted by a community college which recognizes satisfactory completion of an organized program of study in occupational majors.

Class Section—A group of registered students meeting to study a particular course at a definite time. At Citrus College each section has a course reference number (CRN) which indicates the schedule of class meeting time.

Community College—A two-year college offering a wide range of programs of study, many determined by local community need.

Counseling—Guidance provided by professional counselors in collegiate, vocational, social and personal matters.

Course—A particular portion of a subject selected for study. A course is identified by a subject title and course number; for example: Accounting 101.

Course of Study—A group of courses planned to lead to competence in a particular field of study and the associate degree.

Course Title—A phrase descriptive of the course content; for example, the course title of Accounting 101 is "Principles of Accounting."

Credit by Examination—Course and/or unit credit granted for demonstrated proficiency in a given area.

Credit/No-Credit—Completion of a course with credit granted but no grade.

Deficiency—Grade Point Deficiency: whenever a student's grade point average is less than 2.0; Subject Deficiency: whenever a student lacks a course or courses required for admission, graduation or transfer.

CRN Number—A course reference number assigned to each course section to differentiate the section by class meeting, day, and time.

Department—A division of the college that offers instruction in a particular branch of study, or an office that provides student services or administrative support.

Electives—Courses which a student may choose that are not required for a particular major program or general education requirements.

Enrollment—The part of the registration process where students select classes by section number to reserve a seat in the class and be placed on the class roster.

General Education Requirements—(also called Breadth Requirements). A specific group of courses selected from several divisions which are required for graduation and are designed to broaden a student's education.

Grade Points—The numerical value of Citrus College letter grades are: A=4, B=3, C=2, D=1, F=0.

Grade Point Deficiency—Possession of fewer grade points than twice the units attempted.

Grade Point Average—A measure of academic achievement used in decisions on probation, graduation and transfer. At Citrus College the G.P.A. is determined by dividing the total degree applicable course grade points by the number of attempted degree applicable course units in which letter grades of A, B, C, D, or F are recorded.

Lower Division—Courses at the freshman and sophomore level of college.

Major—A subject of college study selected by a student as a field of specialization.

Minor—The subject field of study which a student chooses for secondary emphasis.

Nonresident—A student who does not have residence in the State of California for more than one year immediately preceding the residence determination date.

Pass/No Pass—Students can choose to be evaluated on a grading basis in courses approved for this option. A student must declare the option by no later than 30% of the term, or the fourth Friday of a full semester course by filling out a Pass/No Pass petition in the Admissions and Records office. Instructors have the authority to assign an F (Failing), instead of a No Pass, for cheating or plagiarism and may refer the student for additional disciplinary action.

Placement Test—Tests given prior to admission which are used to assist students in selecting the most appropriate classes.

Prerequisite—A requirement that must be satisfied before enrolling in a particular course, usually a previous course, a test score or consent of instructor.

Probation—A trial period in which a student must improve scholastic achievement.

Registration—The process of enrolling in specific class sections.

Resident—A student who has resided in the State of California for more than one year immediately preceding the residence determination date.

Residence Determination Date—The day immediately preceding the opening day of instruction for any semester or session.

Schedule of Classes—A booklet or online web pages used during registration giving the subject title, course number, course title, units, time, instructor and location of all classes offered in a semester.

Semester—One-half of the academic year, usually 16 weeks.

Transcript—An official list of all courses taken by a student at a college or university showing the final grade received for each course.

Transfer—Changing from one collegiate institution to another after having met the requirements for admission to the second institution.

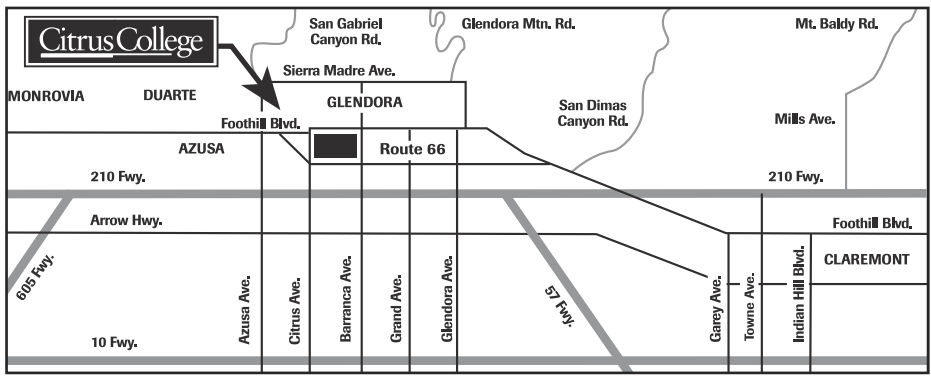
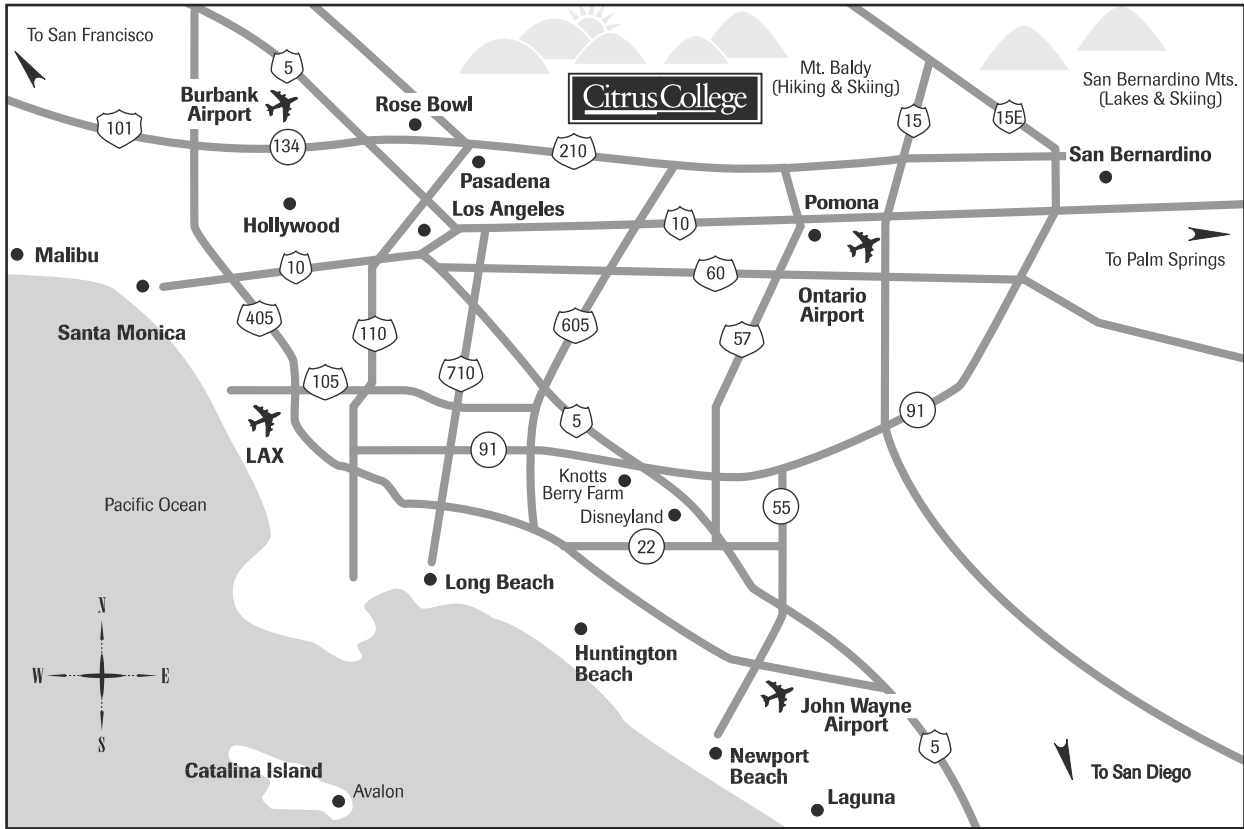
Transfer Courses—Courses for students planning to transfer to a four-year college/university. Courses transferable to the California State University system are indicated by "CSU" and those transferable to the University of California are indicated by "UC" next to the course number in this catalog.

Transferable Units—College units earned through satisfactory completion of courses which have been articulated with four-year institutions.

Units—The amount of college credit earned by satisfactory completion of a specific course taken for one semester. Each unit represents one hour per week of lecture or recitation, or three hours in laboratory or other exercises not requiring outside preparation. In general, two clock hours of preparation outside of class are necessary for each unit of class lecture or recitation in academic subjects.

Units Attempted—Total number of units in the course for which a student has enrolled and has received a grade of *A, B, C, D, F, W, C,* or *NC*.

Freeway Map



Maps not to scale. All visitors must display a parking permit available for \$5 from the information booth at the main campus entrance and the vending machine, located in the S8 Lot. Handicapped parking is available in every lot. To use handicapped parking, you must have a DMV placard.

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Citrus College Campus Directory



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- MOTORCYCLE PARKING
- NO PARKING IN CONSTRUCTION AREAS

All visitors must display a parking permit available for \$5 from the parking vending machine or the Campus Safety Office. Handicapped parking is available in every lot. To use handicapped parking, you must have a DMV placard.



REVISED 4/2018

Buildings

AA... Automotive Annex (formerly Tech F)	MA... Mathematics/Sciences
AC... Art Center	MO... Maintenance/Operations
AD... Administration	NB... North Bungalow
AN... Annex	P1... Portable #1
AP... Adaptive Physical Education	P2... Portable #2
AQ... Aquatics	P3... Portable #3
BF... Baseball field (FLD 2)	PA... Performing Arts Center
BK... Owl Bookshop	PC... Professional Center
CC... Campus Center	PE... Physical Education (formerly Main Gym)
COC... Child Development Center	PS... Physical Science
CI... Center for Innovation	RA... Recording Technology
CP... Central Plant	RG... Reprographics (Print shop)
CS... Campus Safety	SB... South Bungalow
DT 1... Diesel Technology	SF... Softball field (FLD 3)
& DT 2 (formerly Tech G)	ST... Stadium (FLD 4)
ED... Educational Development Center	TC... Technology Center
ES... Earth Science	TD... Technician Development
FH... Field House	TE... Technology & Engineering
FP... Football Practice field (FLD 5)	TN... Tennis Courts
GH... Gate House	VT... Video Technology
GI... Golf Instruction (FLD 1)	WA... Warehouse / Purchasing
GR... Golf Driving Range	WS... Women's Shower
HH... Hayden Hall	
IC... Infant Center	
IS... Information Systems	
LB... Liberal Arts/Business	
LH... Lecture Hall	
LJ... Hayden Library	
LL... Lifelong Learning Center	
LS... Life Science	

Services

Admissions and Records	AD	Foundation	CI
Associated Students	CC	Health Center	HH
Athletics	PE	Health Sciences	PC
Audiovisual	LI	Human Resources	AD
Auditorium	PA	Information	AD
Board Room	AD	Instruction Office	AD
Box Office	PA	International Student Center	ED
Business Services	AD	Learning Center	ED
Cafeteria	CC	Litlle Theatre	PA
CaWORKs	LL	Noncredit Education	LL
Career/Transfer Center	ED	Noncredit Matriculation	LL
Cashier	AD	Nursing	PC
Clarion, Student Newspaper	TC	Orsika Family Children's Center	ED
College Advancement	CI	President's Office	AD
Community Education	LL	Printing, Reprographics	RG
Computer Center	IS	Public Information	CI
Cosmetology	PC	Receiving	WA
Counseling and Advisement Center	AD	Receiving, Bookstore	BK
Dental Assisting	PC	Safety Office	CS
Disabled Students Center	ED	Student Affairs	CC
Distance Education	CI	Student Employment Services	ED
Esthetician	P1	Student Services Office	AD
EOP&S	ED	Swimming Pool	AQ
External Relations	CI	Testing Center	ED
Facilities Rental	AD	Transfer Center	ED
Faculty Lounge	CC	Vocational Education Office	P2
Financial Aid	ED		
Fitness Center	AP		
FLS Language Centres	ES		
Food Service	CC		



Citrus College

1000 West Foothill Boulevard
Glendora, California 91741-1899
626.963.0323 www.citruscollege.edu