## Drafting - Architectural

**DRAF 151 Basic Floor Plans and Functional Design**
3 Units

- **CRN:** 30675
- **Instructor:** Au, S.
- **Time:** MW 08:00 AM-11:10 AM
- **Room:** PC 304

**Description:**
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

**Prerequisites:**
DRAF 150 and 151 (151 may be taken concurrently).

**Notes:**
Strongly recommended: DRAF 101 or 150. Also, READ 099 if required by reading placement exam or if required by reading level.

**CRN:** 30676
**Instructor:** Au, S.
**Time:** MW 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 152 Basic Residential Structure Design and Drafting**
3 Units

**CRN:** 30677
**Instructor:** Au, S.
**Time:** MW 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
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

**Notes:**

**CRN:** 30683
**Instructor:** Au, S.
**Time:** MW 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 153 Advanced Residential Detailing and Design**
3 Units

**CRN:** 30714
**Instructor:** Yu, J.
**Time:** TR 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
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

**Notes:**

**CRN:** 30716
**Instructor:** Yu, J.
**Time:** TR 12:30 PM-02:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**DRAF 154 Commercial and Industrial Buildings**
3 Units

**CRN:** 30713
**Instructor:** Yu, J.
**Time:** TR 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
Prerequisite: DRAF 152. Designing and detailing small business and manufacturing buildings. Code requirements, special materials, and functional requirements. 36 lecture hours, 72 lab hours. CSU

**Notes:**

**CRN:** 30715
**Instructor:** Tabata, F.
**Time:** TR 06:00 PM-09:10 PM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 160 Introduction to Architectural CAD**
2 Units

**CRN:** 30717
**Instructor:** Yu, J.
**Time:** TR 12:30 PM-02:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**Description:**
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

**Notes:**

**CRN:** 30718
**Instructor:** Tabata, F.
**Time:** TR 06:00 PM-09:10 PM
**Room:** PC 304
**Dates:** 02/17-06/12

## Drafting - Mechanical

**DRAF 101 Computer Aided Design and Mechanical Drawing**
3 Units

**CRN:** 30700
**Instructor:** Yu, J.
**Time:** TR 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
A basic course for pre-engineering, pre-architecture, and others who have had no previous Computer Aided Design (CAD) or mechanical drawings. 36 lecture hours, 72 lab hours. CSU

**Notes:**
Strongly recommended: DRAF 101 or one year high school mechanical drafting.

**CRN:** 30727
**Instructor:** Tabata, F.
**Time:** TR 02:45 PM-04:50 PM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 109 Intermediate Computer Aided Drafting (CAD)**
2 Units

**CRN:** 31115
**Instructor:** Tabata, F.
**Time:** TR 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
Prerequisite: DRAF 101 or CAD 100. Also, READ 099 if required by reading placement exam or if required by reading level.

**Notes:**
This course provides an overview of the application of microcomputers to the production of mechanical 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. This course may be taken twice. 36 lecture hours, 36 lab hours.

**CRN:** 30714
**Instructor:** Yu, J.
**Time:** TR 08:00 AM-11:10 AM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 111 Advanced Computer Aided Design and Drafting-Mechanical (CADD)**
2 Units

**CRN:** 30728
**Instructor:** Tabata, F.
**Time:** TR 12:30 PM-02:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**Description:**
Prerequisite: DRAF 109 or DRAF 160 or ENGR 125.

**Notes:**
This course provides an overview of the application of microcomputers to the production of mechanical drawings, 3-D design and the management of AutoCAD. 36 lecture hours, 36 lab hours. CSU

**CRN:** 30685
**Instructor:** Au, S.
**Time:** 11:30 AM-01:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**DRAF 112 Introduction to Computer Aided Design (CAD) and Mechanical Drawing**
3 Units

**CRN:** 30716
**Instructor:** Yu, J.
**Time:** TR 12:30 PM-02:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**Description:**
A basic course for pre-engineering, pre-architecture, and others who have had no previous Computer Aided Design (CAD) and mechanical drawing. 36 lecture hours, 72 lab hours. CSU

**Notes:**

**CRN:** 30728
**Instructor:** Tabata, F.
**Time:** TR 02:45 PM-04:50 PM
**Room:** PC 304
**Dates:** 02/17-06/12

**DRAF 158 Perspective**
2 Units

**CRN:** 30728
**Instructor:** Tabata, F.
**Time:** TR 02:45 PM-04:50 PM
**Room:** PC 304
**Dates:** 02/17-06/12

**Description:**
Prerequisite: DRAF 109 or required by reading level.

**Notes:**
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

**CRN:** 30684
**Instructor:** Au, S.
**Time:** 11:30 AM-01:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**DRAF 161 Residential CAD**
2 Units

**CRN:** 30684
**Instructor:** Au, S.
**Time:** 11:30 AM-01:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

**Description:**
Prerequisite: DRAF 160.

**Notes:**
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

**CRN:** 30685
**Instructor:** Au, S.
**Time:** 11:30 AM-01:35 PM
**Room:** PC 309
**Dates:** 02/17-06/12

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626)