

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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Chemistry

CHEM 103 College Chemistry

5 Units

Prerequisite: MATH 030.

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

20124	Farnum, M.	M	05:00 PM-09:15 PM	PS 222	08/25-12/15
	Farnum, M.	W	05:00 PM-09:15 PM	PS 222	08/25-12/15
20139	Farahani, B.	T	02:00 PM-06:15 PM	LH 103	08/25-12/15
	Farahani, B.	R	02:00 PM-06:15 PM	LH 103	08/25-12/15
20121	Ryba, D.	F	08:30 AM-12:45 PM	PS 222	08/25-12/15
	Ryba, D.		HRS-ARRG		08/25-12/15

DISTANCE EDUCATION HYBRID CLASS After registering go to www.citruscollege.edu/de. Mandatory lab meets on campus. Students required to take exams on campus.

CHEM 104 College Chemistry

5 Units

Prerequisite: 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

20173	Farahani, B.	M	05:00 PM-09:15 PM	PS 113	08/25-12/15
	Farahani, B.	W	05:00 PM-09:15 PM	PS 203	08/25-12/15

CHEM 110 Beginning General Chemistry

5 Units

Prerequisite: MATH 150 or concurrent enrollment.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

An introductory course in the fundamental principles of chemistry. Topics covered are those necessary for understanding chemical structure and reactivity, and for 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

20249	Miles, T.	MW	11:30 AM-12:55 PM	PS 113	08/25-12/15
					Lecture section only. Lab section also required.
20253	Ryba, D.	TR	11:30 AM-12:55 PM	PS 113	08/25-12/15
					Lecture section only. Lab section also required.
20265	Montgomery, R.	TR	04:55 PM-06:20 PM	PS 113	08/25-12/15
					Lecture section only. Lab section also required.
20269	Johnson, S.	MW	07:35 AM-11:10 AM	PS 222	08/25-12/15
					Lab section only. Lecture section also required.
20281	Miles, T.	MW	01:10 PM-04:45 PM	PS 222	08/25-12/15
					Lab section only. Lecture section also required.
20279	Farahani, B.	TR	07:35 AM-11:10 AM	PS 222	08/25-12/15
					Lab section only. Lecture section also required.
20280	Ryba, D.	TR	01:10 PM-04:45 PM	PS 222	08/25-12/15
					Lab section only. Lecture section also required.
20282	Montgomery, R.	TR	06:30 PM-10:05 PM	PS 222	08/25-12/15
					Lab section only. Lecture section also required.

CHEM 111 General Chemistry

5 Units

Prerequisite: MATH 150. Passing score on Chemistry Placement Test or CHEM 110.

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

20286	Entus, R.	TR	11:30 AM-12:55 PM	LH 103	08/25-12/15
					Lecture section only. Lab section also required.
20296	Entus, R.	TR	07:35 AM-11:10 AM	PS 211	08/25-12/15
					Lab section only. Lecture section also required.
20324	Smyth, N.	TR	01:10 PM-04:45 PM	PS 211	08/25-12/15
					Lab section only. Lecture section also required.

CHEM 112 General Chemistry

5 Units

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

20330	Miles, T.	TR	11:30 AM-12:55 PM	PS 222	08/25-12/15
					Lecture section only. Lab section also required.
20880	Miles, T.	MW	07:35 AM-11:10 AM	PS 203	08/25-12/15
					Lab section only. Lecture section also required.
20333	Miles, T.	TR	07:35 AM-11:10 AM	PS 203	08/25-12/15
					Lab section only. Lecture section also required.

CHEM 210 Organic Chemistry

3 Units

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

20503	Farahani, B.	MW	07:40 AM-09:05 AM	PS 113	08/25-12/15
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CHEM 211L Organic Chemistry Lab

1 Units

Prerequisite: CHEM 210 or

Corequisite: 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

20685	Farahani, B.	F	08:10 AM-11:20 AM	PS 211	08/25-12/15
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