

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: Completion of MATH 130 with min. grade of C.

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

20355	Farnum, M.	MW	11:30 AM-01:35 PM	PS 211	08/29-12/19
	Farnum, M.	F	11:30 AM-03:45 PM	PS 211	08/29-12/19
20360	Ryba, D.	W	05:00 PM-09:15 PM	PS 222	08/29-12/19
	Ryba, D.	M	05:00 PM-09:15 PM	PS 222	08/29-12/19
20386	Farahani, B.	T	01:30 PM-05:45 PM	LH 103	08/29-12/19
	Farahani, B.	R	01:30 PM-05:45 PM	LH 103	08/29-12/19

CHEM 104 College Chemistry

5 Units

Prerequisite: CHEM 103 or 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

20436	Farahani, B.	W	05:00 PM-09:15 PM	PS 211	08/29-12/19
	Farahani, B.	M	05:00 PM-09:15 PM	PS 211	08/29-12/19

CHEM 106 Chemistry and Physics for Educators

4 Units

Prerequisite: MATH 130.

Corequisite: MATH 150.

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 interrelationships among these disciplines. Emphasis is placed on the ways in which chemistry and physics affect everyday life and the role of these disciplines in addressing issues and problems related to energy and the environment. 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 is the same as PHYS 106. 54 lecture hours, 54 lab hours.

20537	Ramos, G.	MW	09:55 AM-11:20 AM	PS 107	08/29-12/19
	Ramos, G.	W	01:30 PM-04:40 PM	PS 125	08/29-12/19

CHEM 110 Beginning General Chemistry

5 Units

Prerequisite: Completion of MATH 150 with minimum grade of C or concurrent enrollment.

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 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

20558	Miles, T.	MW	11:30 AM-12:55 PM	PS 113	08/29-12/19
			Lecture section only. Lab section also required.		
20562	Farahani, B.	TR	11:30 AM-12:55 PM	PS 113	08/29-12/19
			Lecture section only. Lab section also required.		
20575	Montgomery, R.	TR	04:55 PM-06:30 PM	PS 113	08/29-12/19
			Lecture section only. Lab section also required.		
20579	Miles, T.	MW	07:35 AM-11:10 AM	PS 222	08/29-12/19
			Lab section only. Lecture section also required.		
20593	Farahani, B.	MW	01:10 PM-04:45 PM	PS 222	08/29-12/19
			Lab section only. Lecture section also required.		
20591	Ryba, D.	TR	07:35 AM-11:10 AM	PS 222	08/29-12/19
			Lab section only. Lecture section also required.		
20592	Ryba, D.	TR	01:10 PM-04:45 PM	PS 222	08/29-12/19
			Lab section only. Lecture section also required.		
20597	Montgomery, R.	TR	06:40 PM-10:15 PM	PS 222	08/29-12/19
			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

20603	Entus, R.	TR	11:30 AM-12:55 PM	PS 107	08/29-12/19
			Lecture section only. Lab section also required.		
20621	Entus, R.	TR	07:35 AM-11:10 AM	PS 211	08/29-12/19
			Lab section only. Lecture section also required.		
20661	Miles, T.	TR	01:10 PM-04:45 PM	PS 211	08/29-12/19
			Lab section only. Lecture section also required.		

CHEM 112 General Chemistry

5 Units

Prerequisite: CHEM 111.

Chemistry 112 is a continuation of Chemistry 111 and includes topics of equilibrium, kinetics, electrochemistry, nuclear chemistry, and thermodynamics. 54 lecture hours, 126 lab hours.* CSU UC

20672	Miles, T.	TR	11:30 AM-12:55 PM	PS 222	08/29-12/19
			Lecture section only. Lab section also required.		
20683	Miles, T.	TR	07:35 AM-11:10 AM	PS 203	08/29-12/19
			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

20975	Farahani, B.	MW	07:40 AM-09:05 AM	PS 211	08/29-12/19
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CHEM 211L Organic Chemistry Lab

1 Units

Prerequisite: Completion of, or concurrent enrollment in 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

21432	Farahani, B.	F	08:10 AM-11:20 AM	PS 211	08/29-12/19
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