

CHEMISTRY

Computerized prerequisite verification is required to enroll in Chemistry.

CHEM 1A General Chemistry I

Covers general chemical principles including structure of matter, chemical equations and bonding, gases, solutions, periodic law, acids and bases, and chemical equilibrium. Prerequisite: CHEM 2 or CHEM 3 and 3L or equivalent or high school chemistry with grade "B" or better; and MATH 152 or equivalent.

Transfer Credit: Transfers to CSU; UC C-ID: CHEM 110; CHEM 1A + CHEM 1B = C-ID CHEM 120S

Section	Days	Times	Units	Instructor	Room
98125 &	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
	MW	8:00AM-11:05AM		S.Gerhardt	614
98128 &	TTH	11:10AM-12:30PM	5.00	J.Blaustein	609
	TTH	8:00AM-11:05AM		J.Blaustein	614
98129 &	TTH	11:10AM-12:30PM	5.00	J.Blaustein	609
	MW	11:15AM-2:20PM		J.Blaustein	614
98127 &	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
	TTH	2:30PM-5:35PM		S.Gerhardt	614
98126 &	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
	TTH	11:15AM-2:20PM		S.Gerhardt	614
98130 &	TTH	11:10AM-12:30PM	5.00	J.Blaustein	609
	MW	2:30PM-5:35PM		J.Blaustein	614

CHEM 1B General Chemistry II

Covers general chemical principles including organic chemistry, chemical kinetics, equilibrium, acid/base chemistry, thermochemistry, thermodynamics, electrochemistry, structure, properties of transition metals, and nuclear chemistry. Prerequisite: CHEM 1A.

Transfer Credit: Transfers to CSU;UC CHEM 1A + CHEM 1B = C-ID CHEM 120S

Section	Days	Times	Units	Instructor	Room
98131 &	TTH	12:40PM-2:00PM	5.00	A.Romero	609
	TTH	8:00AM-11:05AM		A.Romero	606
98134 &	TTH	9:30AM-10:50AM	5.00	P.Nemes	608
	TTH	11:15AM-2:20PM		P.Nemes	606
98132 &	TTH	12:40PM-2:00PM	5.00	A.Romero	609
	MW	11:15AM-2:20PM		A.Romero	606
98133 &	TTH	12:40PM-2:00PM	5.00	A.Romero	609
	TTH	2:30PM-5:35PM		A.Romero	606

CHEM 3 Introductory Inorganic Chemistry

Covers fundamental principles of inorganic chemistry. Prerequisite: MATH 152. Transfer Credit: CSU; UC, WITH CONDITIONS: No credit if taken after CHEM 1A. CHEM 3 + CHEM 3L = C-ID CHEM 101

Section	Days	Times	Units	Instructor	Room
98135	MW	2:30PM-3:50PM	3.00	Z.Levi	609
98136	MW	6:00PM-7:20PM	3.00	M.McCarthy	609

CHEM 3L is an additional requirement in preparation for CHEM 1A at Cabrillo.

CHEM 3L Introductory Inorganic Chemistry Laboratory

Presents an introduction to small scale laboratory techniques and the properties of matter, chemical reactions, solubility, gas laws, and acid-base. Prerequisite: MATH 152. Hybrid Requisite: Completion of or concurrent enrollment in CHEM 3.

Transfer Credit: CSU; UC, WITH CONDITIONS: No credit if taken after CHEM 1A. CHEM 3 + CHEM 3L = C-ID CHEM 101

Section	Days	Times	Units	Instructor	Room
98144	M	11:10AM-2:15PM	1.00	J.Camara	610
98145	W	11:10AM-2:15PM	1.00	J.Camara	610
98146	T	2:30PM-5:35PM	1.00	Z.Levi	610
98149	TH	2:30PM-5:35PM	1.00	Z.Levi	610
98148	MW	4:30PM-5:50PM	1.00	M.McCarthy	610
98147	MW	7:30PM-8:50PM	1.00	M.McCarthy	610

CHEM 12A Organic Chemistry I

Presents the lecture portion of the first semester of the year-long organic chemistry course designed for chemistry majors and pre-professional medical and biology majors. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. Prerequisite: CHEM 1B.

Transfer Credit: Transfers to CSU;UC CHEM 12A + CHEM 12AL = C-ID CHEM 150.

Section	Days	Times	Units	Instructor	Room
98121	TTH	12:40PM-2:00PM	3.00	J.Camara	804

CHEM 12AL Organic Chemistry Lab I

Presents an introduction to microscale laboratory and instrumental techniques covering isolation, synthesis and identification of many classes of organic compounds. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. Prerequisite: CHEM 1B. Hybrid Requisite: Completion of or concurrent enrollment in CHEM 12A.

Transfer Credit: Transfers to CSU;UC CHEM 12A + CHEM 12AL = C-ID CHEM 150.

Section	Days	Times	Units	Instructor	Room
98122	TTH	8:00AM-11:05AM	2.00	J.Camara	607
98124	TTH	2:30PM-5:35PM	2.00	J.Camara	607

CHEM 12B Organic Chemistry II

Covers mechanisms, synthesis and spectroscopy of aliphatic and aromatic alcohols, amines, carbonyl and carboxyl compounds, carbohydrates and proteins. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. Prerequisite: CHEM 12A.

Transfer Credit: Transfers to CSU;UC CHEM 12A+ CHEM 12AL + CHEM 12B + CHEM 12BL = C-ID CHEM 160S

Section	Days	Times	Units	Instructor	Room
99593	MW	11:15AM-12:35PM	3.00	Z.Levi	608

CHEM 12BL Organic Chemistry Laboratory II

Presents multi-step synthesis and identification of unknown mixtures including chemical, physical and spectroscopic studies of aliphatic and aromatic alcohols, aldehydes, ketones, acids and other classes of organic compounds. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. Prerequisite: CHEM 12AL. Hybrid Requisite: Completion of or concurrent enrollment in CHEM 12B.

Transfer Credit: Transfers to CSU;UC CHEM 12A+ CHEM 12AL + CHEM 12B + CHEM 12BL = C-ID CHEM 160S

Section	Days	Times	Units	Instructor	Room
99594	MW	8:00AM-11:05AM	2.00	Z.Levi	607

CHEM 30A Inorganic Chemistry for Health Occupations

Covers chemical concepts such as atomic structure, acids and bases, salts, buffers, electrolyte systems and nuclear chemistry. Prerequisite: MATH 152 or MATH 152A and MATH 152B or MATH 142 or MATH 142A and MATH 142B.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98137	MW	11:10AM-12:30PM	4.00	D.Scoggin	609
&	MW	8:00AM-9:20AM		D.Scoggin	610
98140	MW	11:10AM-12:30PM	4.00	D.Scoggin	609
&	MW	9:30AM-10:50AM		D.Scoggin	610
98138	MW	11:10AM-12:30PM	4.00	D.Scoggin	609
&	MW	2:30PM-3:50PM		D.Scoggin	610
98139	MW	6:00PM-7:20PM	4.00	C.Fink	614
&	MW	7:30PM-8:50PM		C.Fink	614
98141	TTH	6:00PM-7:20PM	4.00	E.Flynn	WatA320
&	TTH	7:30PM-8:50PM		E.Flynn	WatA320

CHEM 30A is designed for students preparing for the Dental Hygiene program or a four-year nursing degree.

CHEM 30B Introductory Organic Chemistry and Biochemistry for Health Occupations

Presents a survey of the major classes of organic and biochemical compounds as they relate to the chemistry of life processes. Prerequisite: CHEM 30A or CHEM 2 or CHEM 3 and CHEM 3L or high school chemistry.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98142	MW	6:00PM-7:20PM	4.00	E.Flynn	608
&	MW	7:30PM-8:50PM		E.Flynn	606

CHEM 32 Chemistry for the Allied Health Major

Presents a one semester survey of general and organic chemistry as preparation for careers in the allied health sciences. Prerequisite: MATH 152 or MATH 152A and MATH 152B or MATH 142 or MATH 142A and MATH 142B.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98143	MW	12:40PM-2:00PM	5.00	L.Cantin	608
&	MW	2:30PM-5:35PM		L.Cantin	606

CHEM 32 is a one-semester alternative that satisfies the CHEM 30A/CHEM 30B two-semester sequence required for students transferring to some 4-year Nursing Programs. Please see a counselor or check www.assist.org for more information. CHEM 32 also satisfies the prerequisite requirement for BIO 5 and BIO 6. It is not appropriate for premed, dental or veterinary students nor is it intended for allied health students requiring two semesters of chemistry.