

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 CHEM 1A + CHEM 1B = C-ID CHEM 120S
C-ID CHEM 110

Section	Days	Times	Units	Instructor	Room
1	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
&	MW	8:00AM-11:05AM		S.Gerhardt	614
4	TTH	12:40PM-2:00PM	5.00	J.Blaustein	609
&	TTH	8:00AM-11:05AM		J.Blaustein	614
5	TTH	12:40PM-2:00PM	5.00	J.Blaustein	609
&	MW	11:15AM-2:20PM		J.Blaustein	614
2	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
&	TTH	11:15AM-2:20PM		S.Gerhardt	614
3	MW	12:40PM-2:00PM	5.00	S.Gerhardt	609
&	TTH	2:30PM-5:35PM		S.Gerhardt	614
6	TTH	12:40PM-2:00PM	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
2	TTH	12:40PM-2:00PM	5.00	A.Romero	615
&	TTH	8:00AM-11:05AM		A.Romero	606
1	TTH	9:30AM-10:50AM	5.00	P.Nemes	608
&	TTH	11:15AM-2:20PM		P.Nemes	606
3	TTH	12:40PM-2:00PM	5.00	A.Romero	615
&	MW	11:15AM-2:20PM		A.Romero	606
4	TTH	12:40PM-2:00PM	5.00	A.Romero	615
&	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
1	TTH	11:15AM-12:35PM	3.00	E.Flynn	609
CHEM 3L is an additional requirement in preparation for CHEM 1A at Cabrillo.					
2	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
1	T	8:00AM-11:05AM	1.00	E.Flynn	610
2	T	1:00PM-4:05PM	1.00	Z.Levi	610
3	TH	1:00PM-4:05PM	1.00	E.Flynn	610
4	W	2:30PM-5:35PM	1.00	J.Camara	610
6	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; CHEM 12A+ CHEM 12AL + CHEM 12B + CHEM 12BL = C-ID CHEM 160S

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

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; CHEM 12A+ CHEM 12AL + CHEM 12B + CHEM 12BL = C-ID CHEM 160S

Section	Days	Times	Units	Instructor	Room
1	MW	8:00AM-11:05AM	2.00	Z.Levi	607
2	MW	2:30PM-5:35PM	2.00	Z.Levi	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
1	TTH	12:40PM-2:00PM	3.00	J.Camara	804

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
1	TTH	8:00AM-11:05AM	2.00	J.Camara	607
2	TTH	2:30PM-5:35PM	2.00	J.Camara	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
1	MW	8:00AM-9:20AM	4.00	D.Scoggin	609
&	MW	9:30AM-10:50AM		D.Scoggin	610
2	MW	8:00AM-9:20AM	4.00	D.Scoggin	609
&	MW	11:10AM-12:30PM		D.Scoggin	610
3	MW	6:00PM-7:20PM	4.00	C.Fink	614
&	MW	7:30PM-8:50PM		C.Fink	614
4	TTH	6:00PM-7:20PM	4.00	M.McCarthy	WatA320
&	TTH	7:30PM-8:50PM		M.McCarthy	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
1	MW	8:00AM-9:20AM	4.00	J.Blaustein	606
&	MW	9:30AM-10:50AM		J.Blaustein	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
1	MW	12:40PM-2:00PM	5.00	J.Rosenthal	608
&	MW	2:30PM-5:35PM		J.Rosenthal	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.