

CHEMISTRY

Note: See the physics and mathematics prerequisites for the chemistry courses listed below.

A. 45-Credit Chemistry Teaching Major

Code	Title	Hours
BIOL 114	Organisms and Environments	4
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Laboratory	1
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Laboratory	1
CHEM 253	Quantitative Analysis	3
CHEM 254	Quantitative Analysis: Lab	2
CHEM 302	Principles of Physical Chemistry	3
CHEM 303	Principles of Physical Chemistry Lab	1
MATH 170	Calculus I	4
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
Select one Chemistry Elective		3
Select one of the following groups:		8-10
Group A:		
BIOL 380 & BIOL 382	Biochemistry I and Biochemistry I Laboratory	
CHEM 275 & CHEM 276	Carbon Compounds and Carbon Compounds Lab	
Group B:		
CHEM 277 & CHEM 278	Organic Chemistry I and Organic Chemistry I: Lab	
CHEM 372 & CHEM 374	Organic Chemistry II and Organic Chemistry II: Lab	
In addition to the above, the following special methods sequence is also required:		
EDCI 433	Secondary Science Methods	3
EDCI 443	Secondary Science Methods Practicum	1
Total Hours		49-51

B. 21-Credit Chemistry Teaching Minor

Code	Title	Hours
BIOL 380	Biochemistry I	4
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Laboratory	1
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Laboratory	1
CHEM 275	Carbon Compounds	3
CHEM 276	Carbon Compounds Lab	1
CHEM 302	Principles of Physical Chemistry	3
CHEM 303	Principles of Physical Chemistry Lab	1
Total Hours		21