

Major:

Chemistry (B.S.)

Departments/Programs:

Chemistry

Chemistry Major (B.S., 43-44 hours)

Courses

CHEM 1110 Chemical Principles I and CHEM 1110L Chemical Principles I Laboratory	4 hours
CHEM 1120 Chemical Principles II and CHEM 1120L Chemical Principles II Laboratory	4 hours
CHEM 2100 Organic Chemistry I and CHEM 2100L Organic Chemistry I Laboratory	4 hours
CHEM 2110 Organic Chemistry II: Synthesis and Mechanisms and CHEM 2110L Organic Chemistry II Laboratory	4 hours
CHEM 3090 Organic Chemistry III: Intermediate Organic Chemistry	2 hours
CHEM 3410 Biochemistry	3 hours
CHEM 3510 Physical Chemistry I, Thermodynamics and Kinetics and CHEM 3510L Physical Chemistry Laboratory	4 hours
CHEM 3520 Physical Chemistry II, Quantum Chemistry and Spectroscopy and CHEM 3520L Physical Chemistry Laboratory	4 hours
CHEM 3620 Inorganic Chemistry and CHEM 3620L Inorganic Chemistry Laboratory	4 hours
CHEM 3440 Instrumental Analysis	4 hours
CHEM 4050 Advanced Organic Chemistry	4 hours
CHEM 4980 Chemistry Seminar	1 hour

Senior Comprehensive:

CHEM 3960 Special Projects or CHEM 4960 Special Projects	1-2 hours
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An approved supporting program of 27 hours selected from biology, computer science, modern languages, mathematics, and physics is required and may include one or more minors. PHYS 1600 Principles of Physics I or PHYS 2000 General Physics I, PHYS 1700 Principles of Physics II or PHYS 2100 General Physics II, MATH 1600 Calculus I and MATH 1610 Calculus II are required.