

Chemistry Major for ACS Certified B.S.

The American Chemical Society certified degree program offers students exposure to each of the major sub-disciplines of chemistry: analytical, organic, inorganic, physical, and biochemical. Because this degree plan is an extended major, no minor is required. A grade of "C-" or better is required for each course in this program to count toward the bachelor's degree.

Required Major Courses:

- CHE 1800- General Chemistry I (4)
- CHE 1801-General Chemistry Laboratory I (1)
- CHE 1810- General Chemistry II (4)
- CHE 1811- General Chemistry Laboratory (1)
- CHE 3100- Organic Chemistry I (4)
- CHE 3120- Organic Chemistry I Laboratory (1)
- CHE 3110- Organic Chemistry II (3)
- CHE 3130- Organic Chemistry II Laboratory (2)
- CHE 3000-Analytical Chemistry (3)
- CHE 3010-Analytical Chemistry Laboratory (2)
- CHE 3250-Physical Chemistry I (4) - *fall only*
- CHE 3280-Physical Chemistry I Laboratory (2)
- CHE 3260-Physical Chemistry II (4) - *spring only*
- CHE 3290-Physical Chemistry II Laboratory
- CHE 4950-Senior Experience in Chemistry (3)

Additional Required Major Courses:

- CHE 2300-Inorganic Chemistry (3)
- CHE 4100-Instrumental Analysis (3)
- CHE 4110-Instrumental Analysis Laboratory (2)
- CHE 4310-Biochemistry I (4)
- CHE ____-Upper-Division Chemistry Elective (3)
- CHE ____-Upper-Division Chemistry Elective (3)

Required Non-Chemistry Courses:

- MTH 1410- Calculus I (4)
- MTH 2410- Calculus II (4)
- MTH 2420- Calculus III (4)

Select one of these two options:

Option I:

- PHY 2010- College Physics I (4)
- PHY 2020- College Physics II (4)
- PHY 2030- College Physics I Laboratory (1)
- PHY 2040- College Physics II Laboratory (1)

Option II:

- PHY 2311- General Physics I (4)
- PHY 2321- General Physics I Laboratory (1)
- PHY 2331- General Physics II (4)
- PHY 2341- General Physics II Laboratory (1)

Total Credit Hours: 32 Upper Division, 80 Total

Required General Studies (min 33cr.):

English (6)	Arts and Humanities (6)	Social & Behavioral Sciences (6)
Math (4) – MTH 1110	Historical (3)	Global Diversity (3- can "double-dip")
Oral Comm (3)	Natural & Physical Sciences (5) - Physics	Multicultural (3 – can "double-dip")

Advice:

You are strongly advised that taking more than three science and/or math courses (possibly including labs) per semester will create a burdensome schedule/workload.