

Chemistry ACS-Certified Major (CHE)

Department: Chemistry

Type: ACS-Certified B.S.

| | |
|----------------------------|-----------|
| Core Courses | 46 hours |
| Required Course Selections | 2 hours |
| Allied Courses | 14 hours |
| Total | 62 |

Core Courses

| Item # | Title | Credit Hour(s) |
|---------|---|----------------|
| CHE111 | General Chemistry I | 3 |
| CHE111L | General Chemistry I Laboratory | 1 |
| CHE112 | General Chemistry II | 3 |
| CHE113 | General Chemistry II Lab | 1 |
| CHE201 | Organic Chemistry I | 3 |
| CHE202 | Organic Chemistry Lab I - Techniques and Synthesis | 1 |
| CHE211 | Descriptive Inorganic Chemistry | 3 |
| CHE213 | Descriptive Inorganic Chemistry Lab | 1 |
| CHE305 | Analytical Chemistry | 4 |
| CHE309 | Organic Chemistry II | 3 |
| CHE310 | Organic Chemistry Lab II - Qualitative Analysis and Synthesis | 1 |
| CHE315 | Spectroscopy | 4 |
| CHE325 | Advanced Inorganic Chemistry Lab | 1 |
| CHE331 | Physical Chemistry I | 4 |
| CHE332 | Physical Chemistry II | 3 |
| CHE333 | Physical Chemistry II Lab | 1 |
| CHE341 | Biochemistry | 3 |
| CHE342 | Biochemistry Lab | 1 |
| CHE400 | Advanced Inorganic Chemistry | 3 |
| CHE450 | Junior Seminar | 1 |
| CHE451 | Senior Seminar | 1 |

Required Course Selections

A research lab experience is required. This may be fulfilled with CHE440 Independent Research or a summer research experience.

Allied Courses

| Item # | Title | Credit Hour(s) |
|---------------|-----------------------|-----------------------|
| MAT125 | Calculus I | 3 |
| MAT225 | Calculus II | 3 |
| PHY211 | College Physics I | 4 |
| PHY212 | College Physics II | 4 |
| | Total credits: | 62 |