

B.S. in Chemistry

Click on the course number to view course title and description.

| Code | Title | Semester Hours |
|---|---|----------------|
| BS Chemistry Degree Plan (120 hours) | | |
| Core Requirements (39 hours) | | |
| First Year Seminar | | 3 |
| FYE 1301 | First Year Seminar | |
| Freshmen Composition I | | 3 |
| EN 1311 | Rhetoric and Composition | |
| or EN 1313 | Rhetoric and Composition for International Students | |
| Literature | | 3 |
| Any EN 23XX literature course | | |
| History | | 3 |
| Any 1000, 2000, or 3000-level HS course | | |
| Social Science | | 6 |
| Select two from the following: BA 1310, CJ 1301, CPH 1301, EC 2301, EC 2303, ED 2330, HU 3300, HU 3303, PO 1311, PO 1312, PO 1314, PS 1301, PS 2310, PS 2353, PS 2355, PS 2363, PS 2337, SC 1311, SC 2321, SC 2371, 3 hrs. of Communication Studies (CM 1341, CM 2333, CM 2334) | | |
| Mathematics | | |
| Satisfied by MT 2412 in the courses required for this major. | | |
| Natural or Physical Sciences | | |
| Satisfied by CH 1401 in the courses required for this major | | |
| Fine Arts | | 3 |
| Select any 3 hrs. of the following: Art (AR), Drama (DM), Music (MU) or MU 1300 | | |
| Foreign Language and International Engagement | | 6 |
| This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams | | |
| Philosophy - Self | | 3 |
| PL 1301 | Intro to Philosophy | |
| Philosophy - Ethics | | 3 |
| PL 2301 | Foundations of Ethics | |
| Theology - God | | 3 |
| TH 1301 | Introduction to Theology | |
| Intermediate Theology | | 3 |
| Any TH 33xx course | | |
| Chemistry Major Courses (68 hours) | | |
| CH 1401 | General Chemistry I | 4 |
| CH 1402 | General Chemistry II | 4 |
| CH 2411 | Organic Chemistry I | 4 |
| CH 2412 | Organic Chemistry II | 4 |
| CH 3423 | Analytical Chemistry | 4 |
| CH 3424 | Instrumental Analysis | 4 |
| CH 3433 | Physical Chemistry I | 4 |
| CH 3434 | Physical Chemistry II | 4 |
| CH 3440 | Inorganic Chemistry | 4 |
| CH 4451 | Biochemistry I | 4 |
| CH 3XXX/4XXX - Advanced Chemistry Elective | | 6 |
| CH 1100 | Chemistry Seminar I | 1 |
| CH 3100 | Chemistry Seminar II | 1 |

| | | |
|---------|-----------------------|---|
| MT 2412 | Calculus I | 4 |
| MT 2413 | Calculus II | 4 |
| MT 2414 | Calculus III | 4 |
| PY 1404 | University Physics I | 4 |
| PY 2404 | University Physics II | 4 |

Electives (13 hours) **13**

An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors.

Total Semester Hours **120**

This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.

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First Year

| Fall | Semester Spring Hours | Semester Hours |
|------------------|--------------------------|-------------------|
| CH 1401 | 4 CH 1402 | 4 |
| MT 2412 | 4 MT 2413 | 4 |
| FYE 1301 | 3 CH 1100 | 1 |
| EN 1311 | 3 PL 1301 | 3 |
| Foreign Language | 3 Foreign Language | 3 |
| | 17 | 15 |

Second Year

| Fall | Semester Spring Hours | Semester Hours |
|---------|--------------------------|-------------------|
| CH 2411 | 4 CH 2412 | 4 |
| PY 1404 | 4 PY 2404 | 4 |
| TH 1301 | 3 Social Science | 3 |
| MT 2414 | 4 Literature | 3 |
| | 15 | 14 |

Third Year

| Fall | Semester Spring Hours | Semester Hours |
|----------|--------------------------|-------------------|
| CH 3423 | 4 CH 3434 | 4 |
| CH 3433 | 4 CH 3100 | 1 |
| PL 2301 | 3 CH 3424 | 4 |
| Elective | 3 History | 3 |
| | Fine Arts | 3 |
| | 14 | 15 |

Fourth Year

| Fall | Semester Spring Hours | Semester Hours |
|----------------|-------------------------------|-------------------|
| CH 4451 | 4 Advanced Chemistry Elective | 3 |
| CH 3440 | 4 Advanced Chemistry Elective | 3 |
| Elective | 3 Advanced Theology | 3 |
| Social Science | 3 Elective | 2 |
| Elective | 3 Elective | 2 |
| | 17 | 13 |

Total Semester Hours 120