

In April 2016, after the 2015-2016 catalog, had gone to print, the Registrar was notified of a typo on the checklist below. See edits in red below. The senior seminar course was accidentally left out.

Major American Chemical Society – Biochemistry Track (BIOC.ACS.15)

The Department of Chemistry is accredited through the American Chemical Society (ACS) to offer the ACS degree certification in chemistry. The ACS certified degree provides more in-depth training for those students who wish to pursue graduate studies in chemistry or other advanced studies. There are three ACS accredited degree track options: ACS Major General Track, ACS Major Biochemistry Track, and ACS Major Organic Track. All ACS Track students must take the following Introductory, Foundation, and Related courses as well as complete 400 hours of laboratory work beyond the Introductory course level. Undergraduate research hours can count towards the 400 hour requirement. The student must maintain a 2.500 GPA in chemistry courses.

Introductory Courses

- _____ CHEM 1213: General Inorganic Chemistry I (C or higher)
- _____ CHEM 1211: General Inorganic Chemistry I Laboratory (C or higher)
- _____ CHEM 1223: General Inorganic Chemistry II (C or higher)
- _____ CHEM 1221: General Inorganic Chemistry Laboratory II (C or higher)

Foundation Courses

- _____ CHEM 2110: Organic Chemistry I (C or higher)
- _____ CHEM 2111: Organic Chemistry I Laboratory (C or higher)
- _____ CHEM 2310: Quantitative Analysis (C or higher)
- _____ CHEM 2311: Applications of Quantitative Analysis (C or higher)
- _____ CHEM 3210: Advanced Inorganic Chemistry (C or higher)
- _____ CHEM 3410: Physical Chemistry I (C or higher)
- _____ CHEM 3610: Biochemistry I (C or higher)

Complete Math

- _____ MATH 2230: Analytical Geometry and Calculus II

Choose Option 1 or Option 2

Option 1:

- _____ PHYS 1203: College Physics I (C or higher)
- _____ PHYS 1201: College Physics with Laboratory I (C or higher)
- _____ PHYS 1213: College Physics II (C or higher)
- _____ PHYS 1211: College Physics with Laboratory II (C or higher)

Option 2:

- _____ PHYS 2003: General Physics I (C or higher)
- _____ PHYS 2001: General Physics with Laboratory I (C or higher)
- _____ PHYS 2013: General Physics II (C or higher)
- _____ PHYS 2011: General Physics with Laboratory II (C or higher)

Biochemistry Track In-Depth Courses

- _____ CHEM 2120: Organic Chemistry II (C or higher)
- _____ CHEM 2121: Organic Chemistry Laboratory II (C or higher)
- _____ CHEM 3621: Biomolecular Research Methods III – Biochemical Analysis (C or higher)
- _____ CHEM 3623: Biochemistry II (C or higher)
- _____ BIOL 3303: Molecular Cell Biology (C or higher)
- _____ CHEM 3320 or CHEM 3730 (C or higher)

Students must take one additional elective from any chemistry (CHEM), biology (BIOL), physics (PHYS), or mathematics (MATH) courses numbered above 3000.

- _____ See above (C or higher)

Students must complete a comprehensive exam and senior seminar in their major:

- _____ Comprehensive Exam
- _____ CHEM 4900: Literature of Chemistry