

Name:

ID#:

ACS Certified Degree in Biochemistry

In addition to meeting all University requirements and departmental requirements for the B.S. degree in Biochemistry, the American Chemical Society (ACS) has additional requirements that must be met in order to graduate with an ACS Certified degree. The additional courses that are needed to satisfy the ACS requirement can also be used to satisfy Advanced Electives in the degree program. A sample checklist for the courses needed to satisfy the ACS requirements is shown below. If you are interested in graduating with an ACS Certified degree, please meet with an advisor in the Chemistry & Biochemistry department to develop your academic plan.

General Chemistry

- ☐ CH 221z or 224H ☐ CH 217+227z
- ☐ CH 222z or 225H ☐ CH 218+228z
- ☐ CH 223z or 226H ☐ CH 219+229z

Organic Chemistry

- ☐ CH 341 ☐ CH 347
- ☐ CH 342 ☐ CH 348
- ☐ CH 343

Biology

- ☐ BI 281H
- ☐ BI 282H
- ☐ BI 320

Math

- ☐ MATH 251z
- ☐ MATH 252z
- ☐ MATH 253z

Physics

- ☐ PHYS 251
- ☐ PHYS 252
- ☐ PHYS 253

Biochemistry

- ☐ CH 461 ☐ CH 467
- ☐ CH 462
- ☐ CH 463

Physical Chemistry

- ☐ CH 411
- ☐ CH 412

Physical Lab Requirement

- ☐ PHYS 290 (x3)

Advanced Lab Requirement

- ☐ At least one year of Undergraduate Research (written report required)

Advanced Biochemistry Electives (select two courses):

- ☐ CH 464 ☐ CH 465 ☐ CH 466 ☐ CH 468

Additional ACS Requirements (count as Advanced Electives)

- ☐ CH 417 (Physical Chemistry Lab)
- ☐ CH 429 (Instrumental Analysis)
- ☐ CH 431 (Inorganic Chemistry)
- ☐ CH 420 (Physical Organic Chemistry)

University Requirements

See the degree checklist handout.

Advisor:

Date:

Name:

ID#:

ACS Certified Degree in Chemistry

In addition to meeting all University requirements and departmental requirements for the B.S. degree in Chemistry, the American Chemical Society (ACS) has additional requirements that must be met in order to graduate with an ACS Certified degree. The courses that are needed to satisfy the ACS requirement can also be used to satisfy Advanced Electives in the degree program. A sample checklist for the courses needed to satisfy the ACS requirements is shown below. If you are interested in graduating with an ACS Certified degree, please meet with an advisor in the Chemistry & Biochemistry department to develop your academic plan.

General Chemistry

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> CH 221z or 224H | <input type="checkbox"/> CH 217+227z |
| <input type="checkbox"/> CH 222z or 225H | <input type="checkbox"/> CH 218+228z |
| <input type="checkbox"/> CH 223z or 226H | <input type="checkbox"/> CH 219+229z |

Organic Chemistry

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> CH 341 | <input type="checkbox"/> CH 347 |
| <input type="checkbox"/> CH 342 | <input type="checkbox"/> CH 348 |
| <input type="checkbox"/> CH 343 | <input type="checkbox"/> CH 349 |

Math

- | | |
|------------------------------------|-----------------------------------|
| <input type="checkbox"/> MATH 251z | <input type="checkbox"/> MATH 256 |
| <input type="checkbox"/> MATH 252z | <input type="checkbox"/> MATH 281 |
| <input type="checkbox"/> MATH 253z | |

Physics

- | | |
|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> PHYS 251 | <input type="checkbox"/> PHYS 290 |
| <input type="checkbox"/> PHYS 252 | <input type="checkbox"/> PHYS 290 |
| <input type="checkbox"/> PHYS 253 | <input type="checkbox"/> PHYS 290 |

Physical Chemistry

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> CH 411 | <input type="checkbox"/> CH 417 |
| <input type="checkbox"/> CH 412 | <input type="checkbox"/> CH 418 |
| <input type="checkbox"/> CH 413 | <input type="checkbox"/> CH 419 |

Instrumental Analysis

- ☐ CH 429

Additional ACS Requirements (count as Advanced Electives)

- ☐ CH 431 (Inorganic Chemistry)
- ☐ CH 461 (Biochemistry)
- ☐ CH 467 (Biochemistry Lab)
- ☐ CH 420 (Physical Organic Chemistry)
- ☐ At least one additional 400-level chemistry courses
- ☐ At least one year of Undergraduate Research (written report required)

University Requirements

See the degree checklist handout.

Advisor:

Date: