

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 221 or 224H
- CH 222 or 225H
- CH 223 or 226H
- CH 227 or 237
- CH 228 or 238
- CH 229 or 239

Organic Chemistry

- CH 341
- CH 342
- CH 343
- CH 337
- CH 348

Biology

- BI 281H
- BI 282H
- BI 320

Math

- MATH 251
- MATH 252
- MATH 253

Physics

- PHYS 251
- PHYS 252
- PHYS 253

Biochemistry

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

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)
- At least one additional 400-level chemistry courses

University Requirements

See the degree checklist handout.

Advisor:

Date:

Name:

ID#:

ACS Certified Degree in Chemistry

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- CH 221 or 224H CH 227 or 237
- CH 222 or 225H CH 228 or 238
- CH 223 or 226H CH 229 or 239

Organic Chemistry

- CH 341 CH 337
- CH 342 CH 348
- CH 343 CH 349

Math

- MATH 251 MATH 256
- MATH 252 MATH 281
- MATH 253

Physics

- PHYS 251 PHYS 290
- PHYS 252 PHYS 290
- PHYS 253 PHYS 290

Physical Chemistry

- CH 411 CH 417
- CH 412 CH 418
- CH 413 CH 419

Instrumental Analysis

- CH 429

Additional ACS Requirements (count as Advanced Electives)

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

University Requirements

See the degree checklist handout.

Advisor:

Date: