



2021-2022

CHEMISTRY - BIOCHEMISTRY MAJOR, B.S.

Science & Health Department; School of Science, Health & Mathematics

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement. This program may require more than 124 credits for a degree due to specific requirements.

MAJOR REQUIREMENTS (82)

Cross-Disciplinary Requirements (29)

| | | | | |
|------|-----|-----|------------------------------|--------|
| __ 3 | BIO | 201 | General Biology I | |
| __ 3 | BIO | 202 | General Biology II | |
| __ 1 | BIO | 203 | General Biology Lab I | |
| __ 1 | BIO | 204 | General Biology Lab II | |
| __ 2 | BIO | 341 | Ethical Issues | |
| __ 4 | MAT | 181 | Calculus I | __ Lab |
| __ 4 | MAT | 182 | Calculus II | __ Lab |
| __ 4 | PHY | 201 | Intro Physics I | __ Lab |
| __ 4 | PHY | 202 | Intro Physics II | __ Lab |
| __ 3 | PSY | 315 | Stats for Behavioral Science | |

Chemistry Requirements (35)

| | | | | |
|------|-----|-----|------------------------------|--------|
| __ 3 | CHE | 121 | Gen College Chemistry I | |
| __ 3 | CHE | 122 | Gen College Chemistry II | |
| __ 1 | CHE | 123 | Gen College Chemistry Lab I | |
| __ 1 | CHE | 124 | Gen College Chemistry Lab II | |
| __ 4 | CHE | 201 | Organic Chemistry | __ Lab |
| __ 4 | CHE | 202 | Organic Chemistry | __ Lab |
| __ 4 | CHE | 321 | Analytical Chemistry | __ Lab |
| __ 4 | CHE | 371 | Biochemistry | __ Lab |
| __ 3 | CHE | 382 | Inorganic Chemistry | |
| __ 1 | CHE | 399 | Intro to Chem Research | |
| __ 2 | CHE | 400 | Senior Research | |
| __ 4 | CHE | 421 | Physical Chemistry | __ Lab |
| __ 1 | CHE | 475 | Senior Seminar | |

Biochemistry Track (18)

| | | | | |
|------|-----|-----|------------------------------|--|
| __ 3 | BIO | 352 | Physiology | |
| __ 1 | BIO | 354 | Physiology Lab | |
| __ 3 | BIO | 372 | Cell & Molecular Biology | |
| __ 1 | BIO | 374 | Cell & Molecular Biology Lab | |

Choose one:

| | | | | |
|------|-----|-----|------------|--|
| __ 3 | BIO | 322 | Genetics | |
| | BIO | 379 | Immunology | |

Choose one Health Care course:

| | | | | |
|------|----|----|-------|--|
| __ 3 | HC | __ | _____ | |
|------|----|----|-------|--|

Choose one additional 4-credit Science 300 or higher with lab:

| | | | | |
|------|---------|----|-------|--|
| __ 4 | BIO/CHE | __ | _____ | |
|------|---------|----|-------|--|

PLUS FOUNDATIONAL REQUIREMENTS (43)

(3 hours Math and 4 hours Science satisfied by required major courses.)

Plus electives if needed for the 124 hour degree requirement