

Cell/Molecular Emphasis

This disciplinary emphasis also requires:

- Completion of an interdisciplinary major or minor (<http://catalog.uwgb.edu/archive/2014-2015/undergraduate/planning/interdisciplinary-majors-minors>)

Supporting Courses

28-29

| | |
|-------------|--|
| BIOLOGY 202 | Principles of Biology: Cellular and Molecular Processes |
| BIOLOGY 203 | Principles of Biology: Organisms, Ecology, and Evolution |
| CHEM 211 | Principles of Chemistry I |
| CHEM 212 | Principles of Chemistry II |
| CHEM 213 | Principles of Chemistry I Laboratory |
| CHEM 214 | Principles of Chemistry II Laboratory |
| MATH 260 | Introductory Statistics |

Mathematics (choose one course):

| | |
|--------------|---|
| COMP SCI 256 | Introduction to Software Design |
| MATH 104 | Elementary Functions: Algebra and Trigonometry |
| MATH 201 | Calculus for the Management and Social Sciences |
| MATH 202 | Calculus and Analytic Geometry I |

Writing (choose one course):

| | |
|--------------|--------------------|
| ENG COMP 105 | Expository Writing |
| INFO SCI 390 | Technical Writing |

Upper Level Courses

30-33

Required courses

| | |
|---------------------------------|---|
| BIOLOGY 302 | Principles of Microbiology |
| or BIOLOGY 307 & BIOLOGY 308 | Cell Biology and Cell Biology Laboratory |
| BIOLOGY 303 | Genetics |
| BIOLOGY 309 | Evolutionary Biology |
| BIOLOGY 311 | Plant Physiology |
| or BIOLOGY 346 | Comparative Physiology |
| ENV SCI 302 | Principles of Ecology |

Minimum of 4 credits of the following courses:

| | |
|------------------------|---|
| CHEM 300 & CHEM 301 | Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory |
| CHEM 302 & CHEM 304 | Organic Chemistry I and Organic Chemistry Laboratory I |

Choose 12-14 credits from the following courses:

| | |
|--------------|------------------------------|
| BIOLOGY 302 | Principles of Microbiology |
| BIOLOGY 304 | Genetics Laboratory |
| BIOLOGY 307 | Cell Biology |
| BIOLOGY 312 | Mycology |
| BIOLOGY 402 | Advanced Microbiology |
| BIOLOGY 407 | Molecular Biology |
| BIOLOGY 408 | Molecular Biology Laboratory |
| CHEM 330 | Biochemistry |
| CHEM 331 | Biochemistry Laboratory |
| HUM BIOL 422 | Immunology |
| HUM BIOL 423 | Immunology Lab |
| HUM BIOL 444 | Endocrinology |

Seminar, 1 credit required

| | |
|-------------|-----------------|
| BIOLOGY 490 | Biology Seminar |
|-------------|-----------------|

Total Credits

58-62