

College Credit Planner

Bachelor of Science
in Microbiology, Immunology &
Pathology

Minimum of 120 hours required (42 hours must be 300 level or above)

*Credit requirements may vary based on student placement and program details

College Courses

| COURSE TITLE | COURSE # | DEGREE REQUIREMENT | CREDITS | SEMESTER |
|---|-----------------------|--------------------|----------|----------|
| Additional Credits (Transfer/AP Credit and Free Electives) | | | | |
| Free Electives | | Additional Credits | Variable | |
| Transfer Credit | | Additional Credits | Variable | |
| All University Core Curriculum (AUCC) | | | | |
| College Composition | CO150 | AUCC | 3 | |
| <i>Calculus for Biological Scientists*</i> | MATH 155 | AUCC | 4 | |
| Intro to Biostatistics | STAT 307 | AUCC | 3 | |
| Advanced Writing | | AUCC | 3 | |
| Attributes of Living Systems | LIFE 102 | AUCC | 4 | |
| Biology Elective | | AUCC | Variable | |
| General Physics I | PH121 | AUCC | 5 | |
| <i>General Physics II*</i> | PH122 | AUCC | 5 | |
| General Chemistry I | CHEM 111 | AUCC | 4 | |
| General Chemistry I Lab | CHEM 112 | AUCC | 1 | |
| General Chemistry II | CHEM 113 | AUCC | 3 | |
| General Chemistry II Lab | CHEM 114 | AUCC | 1 | |
| <i>Modern Organic Chemistry I*</i> | CHEM 341 | AUCC | 3 | |
| <i>Modern Organic Chemistry II*</i> | CHEM 343 | AUCC | 3 | |
| <i>Modern Organic Chemistry Lab*</i> | CHEM 344 | AUCC | 2 | |
| Principles of Biochemistry | BC 351 | AUCC | 4 | |
| Arts and Humanities | 3B | AUCC | 3 | |
| Arts and Humanities | 3B | AUCC | 3 | |
| Social/Behavioral Science | 3C | AUCC | 3 | |
| Historical Perspectives | 3D | AUCC | 3 | |
| Global/Cultural Awareness | 3E | AUCC | 3 | |
| MIP Required Courses | | | | |
| General Microbiology | MIP 300 | MIP Required | 3 | |
| General Microbiology Lab | MIP 302 | MIP Required | 2 | |
| Immunology | MIP 342 | MIP Required | 4 | |
| Medical Bacteriology | MIP 351 | MIP Required | 3 | |
| Medical and Molecular Virology | MIP 420 | MIP Required | 4 | |
| <i>Microbial Physiology**</i> | MIP 443 | MIP Required | 4 | |
| <i>Microbial Genetics**</i> | MIP 450 | MIP Required | 3 | |
| Research Credits | MIP 400 or 498 | MIP Required | Variable | |
| MIP Electives (2 labs & total 12 hours) | | | | |
| MIP Elective Lab | MIP Lab | MIP Elective | Variable | |
| MIP Elective Lab | MIP Lab | MIP Elective | Variable | |
| MIP Elective | MIP Elective | MIP Elective | Variable | |
| MIP Elective | Departmental Elective | MIP Elective | Variable | |
| Total Credit Hours | | | | |

*Minimum 120

| Chosen Substitutions | Replacement Course |
|--|--------------------|
| | |
| New Curriculum Changes: Courses Eligible for Substitution | |
| *MATH 155-->Dept. Elective (4 cr.) | |
| *CHEM 341/343/344-->CHEM 245/246 + Dept. Elective (3 cr.) | |
| *PH122-->Dept. Elective (5 cr.) | |
| Students Must Complete 1 course: MIP 443 or MIP 450 | |
| **MIP 443-->Dept Elective (4 cr.) | |
| **MIP 450 --> Dept. Elective (3 cr.) | |