

Drake University REQUIRED UNDERGRADUATE COURSEWORK & ISU Microbiology Program

| Course & Title | Credit Hours | ISU Course Equivalent for Micro Major |
|---|---------------------------------|--|
| <p>General (Inorganic) Chemistry A complete year course sequence in general (inorganic) chemistry is required. Labs are required.</p> | 8 credit hours (including labs) | Chemistry 177, 177L and Chem 178, 178L |
| <p>Organic Chemistry A complete year course sequence in organic chemistry is required. Labs are required.</p> | 8 credit hours (including labs) | Chemistry 331, 331L and 332 & 332L |
| <p>Biological Sciences A complete year course sequence in the biological sciences is required. Courses may include ecology, evolution, anatomy/physiology of animals or humans, cell biology, heredity, biological diversity and the structure of plants and animals. Labs are required.</p> | 8 credit hours (including labs) | Biology 211, 211L and Biology 212 & 211L |
| <p>Microbiology A one-semester course in microbiology is required. A course intended for health care majors is recommended. A lab is not required.</p> | 3 credit hours | Micro 302 |
| <p>Statistics A one-semester course in general statistics is required. Business, psychology or biological science statistics courses are accepted.</p> | 3 credit hours | Stat 101 or 104 |
| <p>Calculus A one-semester course in calculus is required. Business calculus, applied calculus or calculus courses designed for the social sciences will NOT be accepted.</p> | 4 credit hours | Math 165 |
| <p>English Composition A complete year course sequence in college-level English writing or composition is required. The sequence can be made up of a one-semester college-level composition course and a one-semester intensive writing course.</p> | 6 credit hours | English 250 and English 302, 309, 312 or 314 |
| <p>Public Speaking A one-semester course focused on public speaking is required. Common course titles include Fundamentals of Speaking or Public Speaking. Interpersonal speaking and communication courses will NOT be accepted.</p> | 3 credit hours | Speech Com 212 |

Highlighted courses are requirements of a Microbiology Degree at ISU.

Specific program requirements: As with all programs, students should contact the admissions counselor at the pharmacy school they plan to attend to determine specific program requirements.