# 2019-20 ACADEMIC MAP

**BS  Biology - Pre-Medical Optometry**

**TOTAL HRS:** 120

Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

*minimum grade required*

**PREFIX** | **COURSE** | **CREDIT** | **AREA** | **GR** | **SEM/GR** | **PREFIX** | **COURSE** | **CREDIT** | **AREA** | **GR** | **SEM/GR**
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BIO 100 | General Biology I | 4 | Major | C |  | BIO 101 | General Biology II | 4 | Major | C |  
CHE 101 | Gen Chem I Lecture | 3 | Gen Ed | C |  | CHE 102 | Gen Chem II Lecture | 3 | Gen Ed | C |  
CHE 103 | Gen Chem I Lab | 1 | Gen Ed | C |  | CHE 104 | Gen Chem II Lab | 1 | Gen Ed | C |  
ENG 101 | Composition I | 3 | Gen Ed | C |  | ENG 102 | Composition II | 3 | Gen Ed | C |  
MAT 104 | College Algebra | 3 | Gen Ed | C |  | MAT 105 | Trigonometry | 3 | Spec Dgr | C |  
FYS 100/300* | First Year Seminar | 1 | Univ Req |  |  |  |  |  |  |  |  
**15** |  | **15** |  |  |  |  |  |  |  |  |  
BIO Core | Cell, Ecology, or Genetics | 4 | Major | C |  | BIO Core | Cell, Ecology, or Genetics | 4 | Major | C |  
CHE 319 | Organic Chem I Lab | 1 | Minor | C |  | CHE 320 | Organic Chem II Lab | 1 | Minor | C |  
CHE 321 | Organic Chem I Lecture | 3 | Minor | C |  | CHE 322 | Organic Chem II Lecture | 3 | Minor | C |  
MAT 251 | Calculus | 3 | Spec Dgr | C |  |  | Fine Arts | 3 | Gen Ed |  |  
ENG 200 level | Literature | 3 | Gen Ed | C |  | COM 101/202 | Communication Studies | 3 | Gen Ed |  |  
| General Elective | 1 | Elective |  |  | Personal Development | 1 | Gen Ed |  |  
**15** |  | **15** |  |  |  |  |  |  |  |  |  
BIO Core | Cell, Ecology, or Genetics | 4 | Major | C |  | BIO 217 | Microbiology | 4 | Major | C |  
PHY 221 | Phys for Life Sci I Lecture | 3 | Major | C |  | PHY 222 | Phys for Life Sci II Lecture | 3 | Major | C |  
PHY 233 | Phys for Life Sci I Lab | 1 | Major | C |  | PHY 234 | Phys for Life Sci II Lab | 1 | Major | C |  
CHE 440 | Biochemistry | 4 | Minor | C |  | BIO 200-400 level | Biology Elective | 4 | Major | C |  
| Perspectives on Society | 3 | Gen Ed | C |  | MAT 300 | Statistics | 3 | Spec Dgr | C |  
**15** |  | **15** |  |  |  |  |  |  |  |  |  
BIO 400 level | Approved Elective | 4 | Major | C |  | BIO 400 level | Approved Elective | 4 | Major | C |  
BIO 400 level | Approved Elective | 3 | Major | C |  | BIO 400 level | Approved Elective | 4 | Major | C |  
BIO 200-400 level | Biology Elective | 4 | Major | C |  | BIO 400 level | Approved Elective | 3 | Gen Ed |  |  
HIS 100/200 | History | 3 | Gen Ed | C |  | Humanities & Fine Arts | 3 | Gen Ed |  |  
BIO 490 | Capstone Experience | 1 | Major | C |  | Perspectives on Society | 3 | Gen Ed |  |  
| Recommended Elective | 1 | Elective |  |  | Recommended Elective | 1 | Elective |  |  
**15** |  | **15** |  |  |  |  |  |  |  |  |  

- *All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).
- Additional notes on back of page
Additional Notes:
- The curriculum described here leads to a BS degree with a major in biology (pre-medical science concentration) and also incorporates all the prerequisites for admission to Southern College of Optometry (SCO) in Memphis, TN. There are 20 schools of optometry in the US. Admission requirements for other optometry schools are similar to those at SCO, but check the exact requirements for schools you plan to apply to as there are some differences. Although admission to SCO only requires 90 credit hours, they give strong preference to applicants who have completed a baccalaureate degree. In recent years, less than 5% of applicants who were admitted had not completed a degree. Although you may choose any DSU major, pre-optometry students major in biology because all of the required and most of the recommended elective pre-optometry courses can be applied directly to the biology degree. If you wish to pursue a different major, please consult the pre-optometry advisor.
- The optometry program at SCO begins each August. The application period begins July 15 of the previous year. Admission decisions are done on a rolling basis beginning in mid-September. Although the application deadline is March 1, you must apply as early as possible. Most slots are filled well in advance of this deadline. Start your application process in July of the year before you graduate.
- A baccalaureate degree from Delta State requires a minimum of 120 credit hours. Of that 120 hours, at least 60 must be taken at a senior college, at least 30 must be taken at DSU, and at least 40 must be 300- or 400-level courses. Courses taken at 2-year schools cannot be counted at the 300- or 400-level. 24 of the last 30 hours must be taken at DSU.
- Enrollment in upper-level BIO courses (BIO 200 and above) requires that you have "Full Admission" status. You have full admission status if you have completed BIO 100, 101, and CHE 101, 102, 103, and 104 with no grades below C. Consult the Catalog or the Division of Mathematics and Sciences website, or see your advisor for more information.
- Applicants to optometry schools must submit an official score on the Optometry Admissions Exam (OAT). The OAT is given only in computerized format. For information on test dates, test sites, application procedure, etc., consult the Association of Schools and Colleges of Optometry website at http://opted.org.
- Credit for physical education, military science, dogmatic religion, vocational courses, and science courses designed for non-science majors may not be counted toward the prerequisites for professional school.
- SCO does not state a minimum number of required observation hours, but they recommend at least 40 hours or more of observation time, which should include 2 or more different optometry practices.
- Degree requirements are revised frequently. This list is a summary based on the current DSU Catalog. Consult the Catalog for complete details on all requirements for graduation. You should follow the requirements stated in the issue of the Catalog that was current for the semester you first enrolled at DSU. You may elect to follow a more recent Catalog if you wish.
- IMPORTANT: Application to health professional schools is very competitive. Completion of the minimum requirements will not ensure admission. Admission decisions are based on policies established by the professional school's faculty and admission committee. Successful applicants typically have GPAs and other qualifications well in excess of stated minimums. Talk to your advisor for more information on what is realistically needed to have a good chance of getting into your desired professional school.