

ACADEMIC MAP

2016-17 BS IN BIOLOGY-PRE-MEDICAL(OPTOMETRY)

TOTAL 123 HRS

*minimum grade required †offered every other year

Freshman (Fall Semester) 16 hrs total

BIO 100	Principles of Biology I	4 credit hrs	Major	C*
CHE 101	Gen. Chem. Lecture I	3 credit hrs	Major	C*
CHE 103	Gen. Chem. Lab I	2 credit hrs	Major	C*
MAT 104	College Algebra	3 credit hrs	Gen. Ed.	C*
ENG 101	English Composition	3 credit hrs	Gen. Ed.	
FYS 100	First Year Seminar	1 credit hr		

Freshman (Spring Semester) 15 hrs total

BIO 101	Principles of Biology II	4 credit hrs	Major	C*
CHE 102	Gen. Chem. II Lecture	3 credit hrs	Gen. Ed.	C*
CHE 104	Gen. Chem. II Lab	2 credit hrs	Gen. Ed.	C*
MAT 105	Trigonometry	3 credit hrs	Spec. Dgr.	C*
ENG 102	English Composition	3 credit hrs	Gen. Ed.	

Sophomore (Fall Semester) 15 hrs total

BIO CORE	Cell, Ecology or Genetics	4 credit hrs	Major	C*
CHE 321	Organic Chem. I Lecture	3 credit hrs	Major	C*
CHE 319	Organic Chem. I Lab	2 credit hrs	Major	C*
MAT 251	Calculus	3 credit hrs	Spec. Dgr.	C*
	Literature Elective	3 credit hrs	Gen. Ed.	

Sophomore (Spring Semester) 15 hrs total

BIO Core	Cell, Ecology or Genetics	4 credit hrs	Major	C*
CHE 322	Organic Chem. II Lecture	3 credit hrs	Major	C*
CHE 320	Organic Chem. II Lab	2 credit hrs	Major	C*
	Fine Arts Elective	3 credit hrs	Gen. Ed.	
COM	Public Speak./Interper.	3 credit hrs	Gen. Ed.	

Junior (Fall Semester) 16 hrs total

BIO Core	Cell, Ecology or Genetics	4 credit hrs	Major	C*
PHY 221	Physi. for Life Sci I Lect.	3 credit hrs	Major	C*
PHY 233	Physi. for Life Sci I Lab	1 credit hr	Major	C*
CHE 440	Biochemistry	4 credit hrs	Major	C*
	Perspectives in Soc. Elect.	3 credit hrs	Gen. Ed.	
ENG 300	Exposition	1 credit hr	Gen. Ed.	

Junior (Spring Semester) 15 hrs total

BIO 217	Microbiology	4 credit hrs	Major	C*
PHY 222	Physi. for Life Sci II Lect.	3 credit hrs	Major	C*
PHY 234	Physi. for Life Sci II Lab	1 credit hr	Major	C*
	BIO 200-400 Lvl Elect.	4 credit hrs	Major	C*
MAT 300	Statistics	3 credit hrs	Spec. Dgr.	C*

Senior (Fall Semester) 16 hrs total

	Biology 400 Level Elect.	4 credit hrs	Major	C*
	Biology 400 Level Elect.	4 credit hrs	Major	C*
	Bio 200-400 Lvl Elect.	4 credit hrs	Major	C*
	History elective	3 credit hrs	Gen. Ed.	
	Personal Devel. Elect.	1 credit hr	Gen. Ed.	

Senior (Spring Semester) 15 hrs total

	Biology 400 Level Elect.	4 credit hrs	Major	C*
	Biology 400 Level Elect.	4 credit hrs	Major	C*
	Hum. and F Arts Elect.	3 credit hrs	Gen. Ed.	
	Sociology	3 credit hrs	Gen. Ed.	
	Pers. Devel. Elect.	1 credit hr	Gen. Ed.	

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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, most 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 15th of the previous year. Admission decisions are done on a rolling basis beginning in mid-September. Although the application deadline is March 1st, 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 plan to graduate.
- ▶ A baccalaureate degree from Delta State requires a minimum of 124 credit hours. Of that 124 hours, at least 62 must be taken at a senior college, at least 31 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 Bulletin or the Division of Biological Sciences web site, 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 web site 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 Bulletin. Consult the Bulletin for complete details on all requirements for graduation. You should follow the requirements stated in the issue of the Bulletin that was current for the semester you first enrolled at DSU. You may elect to follow a more recent Bulletin issue 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.