

**B.S. Degree, Biology Major: Premedical Sciences Concentration (for most degree-requiring programs)**

The curriculum described here is a summary based on the current DSU *Bulletin*, which should be consulted for more details. The *Bulletin* is available online at: <http://www.deltastate.edu/academics/academic-catalogs>. For more information on all science programs offered at DSU, visit: <http://www.deltastate.edu/college-of-arts-and-sciences/biological-and-physical-sciences>. The Biology: Premedical Science concentration is designed for students in pre-health professions programs, such as pre-medical, pre-dental, and pre-pharmacy, which require completion of a baccalaureate degree. Professional schools require applicants to have completed a bachelors degree, but they do not specify a particular major. Although a pre-professional student may choose any major, most students choose biology or chemistry, as these majors build in most of the professional school requirements and provide the best preparation for entrance exams such as the medical college admission test (MCAT) or the dental admission test (DAT). This curriculum includes courses required or recommended by the professional schools but also maintains enough breadth in coursework to be considered a biology degree.

	Courses	Credit	Notes
<b>General Education Requirements</b>			
English Composition	ENG 101 and ENG 102 or 103	6	Two semesters of English composition
Communication Studies	COM 101 or 202	3	Take either Public Speaking or Interpersonal Communications.
Humanities and Fine Arts: Literature	Any literature course	3	Most students choose ENG 203 or 204
Humanities and Fine Arts: History	Choose one course from: HIS 101, 102, 103, 104, 201, or 202.	3	History of civilization (101/102), world history (103/104), or United States history (201/202)
Humanities and Fine Arts: Fine Arts	Choose one of: ART 101, 212, 401, 402, 405; MUS 114, 115, 116, 117; THE 225, 320	3	Any introduction, appreciation, or history of art, music, or theater course. Those listed are the ones typically chosen (See <i>Bulletin</i> for course descriptions)
Humanities and Fine Arts: Elective	Choose PHY 201 or any course listed above under literature, history, or fine arts.	3	Philosophy or any other humanities or fine arts course from this section.
Perspectives on Society	Choose two of: ANT 101; ECO 210, 211; GEO 201, 303, PSC 103, 201, PSY 101; SOC 101	6	Choose two of the listed courses from the fields of anthropology, economics, geography, political science, psychology, or sociology. (See <i>Bulletin</i> for course descriptions)
Mathematics	(see next section)		Satisfied by mathematics taken for Special Degree Requirements
Personal Development	Choose from: CEL 300, CIS 205, FCS 215, FCS 270, FCS 325, FCS 343, foreign language, LIB 101, PER (100 level), SHS 360, SWO 101, or SWO 300	2-3	Choose from: child study, computer applications, personal finance, family development, marriage and family living, nutrition, foreign language, information literacy, physical education, sign language, volunteering in the community, and human diversity. (see <i>Bulletin</i> for descriptions). CIS 205 is recommended for most science majors.
Writing Proficiency	ENG 300, ENG 301, passing CAAP score, or passing GRE writing score	0-3	Satisfied by passing the Writing Proficiency Exam (ENG 300) or ENG 301, a score of 3 or higher on the CAAP exam, or a score of 3.5 or higher on the GRE writing component. See your advisor for more information.
<b>29-33</b>			
<b>Special Degree Requirements</b>			
Chemistry	CHE 101, 102, 103, 104	8-10	First and second semesters of general chemistry with laboratories
Mathematics	MAT 104, 105, 251 or MAT 104, 105, 300 or MAT 251, 252 or MAT 251, 300	9	College algebra plus trigonometry plus either one semester of calculus or statistics. Students who are exempt from 100-level math courses, may take two semesters of calculus or one semester of calculus plus statistics. NOTE: UMMC dental school REQUIRES statistics. (Any of these combinations satisfies general education mathematics.)
<b>17-19</b>			
<b>Major Requirements</b>			
Biology Core	BIO 100, 101, 300, 301, 328	20	Principles of biology I and II, cell biology, ecology, and genetics.
400-level electives	Four BIO courses at the 400-level (except BIO 470)	12-16	Any 400-level biology course, except internship, can count in this category. Your advisor will help you choose courses that best fit your interests and goals.
BIO electives	All BIO courses are eligible except those described as "not for biology major credit."	12-16	Choose any biology courses except those designated for non-science majors. Your advisor will help you choose specific courses.
Advanced chemistry	CHE 319, 320, 321, 322, 440	12-14	Two semesters or organic chemistry and one semester of biochemistry
Physics	PHY 221/233 and 222/234	8	Two semesters of physics for the life sciences with laboratories
<b>64-74</b>			

## Recommended electives

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Advisor  
recommendations

Consult your advisor

Advisors help students choose courses related their interests, career goals, and preparation for any professional or graduate programs. You must take enough electives to bring your total credit to at least 124.

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## Additional Notes:

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- 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 Department of Biological Sciences web site, or see your advisor for more information.
- This program leads to a B.S. degree with a major in Biology and a minor in Chemistry.
- Advanced (junior-, senior-level) science courses must be taken at a senior college.
- UMMC (and most the professional schools) does not accept credit for online course or dual-enrollment courses to satisfy any of the mathematics or science prerequisites.
- Degree requirements are revised periodically. This list of requirements is based on the DSU *Bulletin* that was current at the time this document was created. 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. The *Bulletin* is the official source of all degree requirements.
- **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.