

**B.S. Degree, Biology Major: Biology Education Concentration**

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: Biology Education concentration is designed for students who want to prepare to teach biology at the secondary level.

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	CIS 205	3	Science education majors take microcomputer applications to satisfy this category.
Writing Proficiency	ENG 300, ENG 301, passing CAAP score, or passing PRAXIS 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 passing score on the writing component of the PRAXIS Preprofessional Skills exam. Most education students satisfy this requirement through the PRAXIS. See your advisor for details.
<b>30-33</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 and 105 or MAT 251	3-6	College algebra plus trigonometry. Students who are exempt from 100-level math courses may take one semester of calculus instead. (Either option satisfies general education mathematics.)
<b>11-16</b>			
<b>Professional Education</b>			
Education Courses	CUR 300, 393, 493, CSP 340	12	Survey of education with field experiences, classroom management, teaching the sciences, and survey of exceptional children
Psychology	EPY 341	3	Educational psychology
First Aid	HSE 144	1	First and cardiopulmonary resuscitation
Directed Teaching	CUR 498	9	Directed teaching is done in the final semester. It requires prior admission to the student teaching program.
<b>25</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.
Technical Writing	ENG 303	3	Technical writing
Advanced Biology	BIO 217, 230, 435, (348)	11-13	Microbiology, anatomy and physiology I, materials and methods in the biological sciences, and problems in biology (suggested, not required).
Biology Elective	BIO 300-level or above	3-4	Select from field biology or physiology courses. See your advisor for list of approved electives.
Physical Sciences	CHE 215/216, 325/326 PHY 110 plus PHY 205 or 314	14-15	Introduction to organic and biochemistry, the physical world, plus either astronomy or physical geology for the life sciences
<b>51-55</b>			

**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.
- The process leading to teacher certification is a combined effort of the Department of Biological Sciences and the College of Education. Teacher certification can be complex and is subject to change. You must consult closely with your advisor to insure you are taking courses in the proper sequence, that all electives are approved for the fields that you plan to teach, and that you apply for admission to student teaching at the appropriate time.
- 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.