

B.S. Degree, Environmental Science Major: Geospatial Technologies 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 Environmental Science: Geospatial Technology concentration emphasizes competence in global information systems as related to environmental science.

	Courses	Credit	Notes
General Education Requirements			
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.
Mathematics	(see next section)		Satisfied by mathematics taken for Special Degree Requirements
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)
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.
29-33			
Special Degree Requirements			
Mathematics	MAT 104, 105, 251 or MAT 104, 105, 300 or MAT 251, 252 or MAT 251, 300	6-9	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. (Any of these combinations satisfies general education mathematics.)
Chemistry	CHE 101, 102, 103, 104	8-10	First and second semesters of general chemistry with laboratories
14-19			
Major Requirements			
Core	BIO 100, 101, 301, GIS 202	15	The core consists of principles of biology I and II, ecology, and introduction to geospatial science.
Required courses	ART 122, BIO 123, 415, GIS 200, 310, 330, 490, REM 316	22	Basic photography, foundations of environmental science, materials and methods in environmental science, computerized maps and cartography, advanced geospatial science, spacial solutions to natural resources issues, GIS internship
GIS/REM electives	Choose two GIS or REM courses numbered 300 or above.	6	Geospatial information systems or remote sensing courses.
200- or 300-level science courses	Choose three from: BIO 217, 221, 309, 312, 321, 328, 336, 340, CHE 319/321, 320/322, PHY 202, 256, BIO/CHE 314	9-12	Choose from: introduction to microbiology, introduction to wildlife management, environmental regulation, dendrology, wildlife techniques, genetics, invertebrate zoology, entomology, organic chemistry (with lab), physical geography, applied meteorology, physical geology.
400-level science courses	Choose four from: BIO 402, 404, 405, 406, 408, 410, 411, 414, 416, 425, 439, 440, 447, 449, 459, 461, 462, 463, 470, 477, 478, CHE 434.	12-16	Choose from the listed biology or chemistry courses (see <i>Bulletin</i> for titles and descriptions).

Social science	Choose two from: GEO 407, 416, PSC 302, SOC 421, 422, 485	6	Choose from: economic geography, conservation of natural resources, politics of globalization, sustainable development, environment and society, demography and human population studies.
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Recommended electives

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:

- 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 and Physical Sciences web site, or see your advisor for more information.
- 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.