

## GENERAL SCIENCE (SCI)

General Science includes courses in biology, chemistry, physics, and geography. Students receive a strong scientific background.

### Requirements for the General Science Major

Fifty-five (55) hours are required for this major.

A.	BIO 105	General Botany	(4 hours)
	BIO 108	Introductory Molecular Biology	(2 hours)
	BIO 205	Human Anatomy	(4 hours)
	BIO 206	Human Physiology	(4 hours)
	BIO 303	General Ecology	(4 hours)
	BIO 309	Genetics	(4 hours)
	BIO 312	Cell Biology	(3 hours)
	BIO 400	Seminar	(1 hour)
	BIO 404	Comparative Vertebrate Anatomy	(4 hours)
	PHY 201	General Physics I	(4 hours)
	PHY 202	General Physics II	(4 hours)
	PHY 211	Astronomy	(3 hours)
	CHE 101	General Chemistry I	(4 hours)
	CHE 103	General Chemistry II	(4 hours)
		Choose 1 Upper Level Elective in BIO, CHE, or PHY	(4 hours)

### Requirements for Secondary General Science Certification

If the student desires certification in Secondary General Science by the Alabama Department of Education, the following specific general education curriculum requirements must be met:

- A. Social Science. The following must be selected from electives in the general education requirements:
- |             |                                 |           |
|-------------|---------------------------------|-----------|
| PSY 201     | General Psychology              | (3 hours) |
| PSY/SOC 275 | Multiculturalism: A Perspective | (3 hours) |
- B. Science
- |         |                       |           |
|---------|-----------------------|-----------|
| BIO 104 | Principles of Biology | (4 hours) |
|---------|-----------------------|-----------|
- C. Mathematics
- |         |                                 |           |
|---------|---------------------------------|-----------|
| MAT 111 | Precalculus Algebra (or higher) | (3 hours) |
| MAT 121 | Precalculus Trigonometry        | (3 hours) |
- \*Students must achieve a grade of C or higher in MAT 121 or complete MAT 151-Calculus I
- D. Professional Studies
- |         |                                   |           |
|---------|-----------------------------------|-----------|
| EDU 201 | Introduction to Education         | (3 hours) |
| EDU 204 | Human Growth and Development      | (3 hours) |
| EDU 205 | Exceptional Children              | (3 hours) |
| EDU 301 | Curriculum Design                 | (3 hours) |
| EDU 302 | Educational Psychology            | (3 hours) |
| EDU 303 | Evaluation of Learning and Teach. | (3 hours) |
| EDU 313 | Behavioral and Classroom Manage.  | (3 hours) |
| EDU 319 | Reading in the Content Areas      | (3 hours) |

EDU 409	Secondary Teaching Internship	(12 hours)
EDU 411	Instructional Media	(3 hours)
EDU 415	Materials and Methods of Teaching General Science in Secondary Education	(3 hours)