LITERACY, CULTURE AND DIVERSITY EMPHASIS AREA

Freshman Year
First Semester
- BIOL 1090 Introduction to Life Science
- ENGL 1030 Composition and Rhetoric
- EDSP 3700 Introduction to Special Education
- EDF 3020 Educational Psychology
- EDEL 3100 Arts in the Elementary School
- Arts and Humanities (Non-Lit) Requirement
- Modern Language Requirement

Second Semester
- COMM 1500 Intro. to Human Comm.
- COMM 2500 Public Speaking
- ED 1050 Orientation to Education
- EDF 3080 Classroom Assessment
- EDF 3340 Child Growth and Development
- Arts and Humanities (Non-Lit) Requirement
- Elective

Sophomore Year
First Semester
- COMM 1500 Intro. to Human Comm.
- COMM 2500 Public Speaking
- EDF 3340 Child Growth and Development
- PHSC 1180 Intro. to Physics, Astronomy and Earth Science for Elementary Education Majors
- Arts and Humanities (Literature) Requirement

Second Semester
- EDEL 3100 Arts in the Elementary School
- EDF 3010 Principles of American Education
- EDF 3020 Educational Psychology
- EDF 3340 Child Growth and Development
- Modern Language Requirement

Junior Year
First Semester
- EDEL 4310 Elementary Field Experience
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDLT 4610 Content Area Reading: Grades 2–6
- Science Content Requirement

Second Semester
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4610 Content Area Reading: Grades 2–6
- 12 Total Semester Hours

Senior Year
(Courses must be taken as listed in both semesters.)
First Semester
- EDEL 4010 Elementary Field Experience
- EDF 4510 Elem. Methods in Science Teaching
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDEL 4520 Elementary Methods in Math. Teaching
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4630 Directed Teaching in the Elementary School

Second Semester
- EDLT 4610 Content Area Reading: Grades 2–6
- 12 Total Semester Hours

Mathematics and Science Emphasis Area

Freshman Year
First Semester
- BIOL 1090 Introduction to Life Science
- ED 1050 Orientation to Education
- GEOG 1030 World Regional Geography
- MATH 1150 Contemporary Mathematics for Elementary School Teachers

Second Semester
- ENGL 1010 History of the United States
- HIST 1010 History of the United States
- MATH 1160 Contemporary Mathematics for Elementary School Teachers
- PHSC 1170 Intro. to Chemistry and Earth Science for Elementary Education Majors

Sophomore Year
First Semester
- COMM 1500 Intro. to Human Comm.
- COMM 2500 Public Speaking
- EDF 3340 Child Growth and Development
- MATH 2160 Geometry for Elementary School Teachers
- Arts and Humanities (Literature) Requirement

Second Semester
- ENGL 1030 Composition and Rhetoric
- HIST 1010 History of the United States
- MATH 1160 Contemporary Mathematics for Elementary School Teachers
- PHSC 1170 Intro. to Chemistry and Earth Science for Elementary Education Majors

Junior Year
First Semester
- EDEL 3100 Arts in the Elementary School
- EDF 3020 Educational Psychology
- MATH 1150 Contemporary Mathematics for Elementary School Teachers
- EDF 3080 Classroom Assessment
- EDF 3340 Child Growth and Development
- Arts and Humanities (Non-Lit) Requirement

Second Semester
- EDEL 3100 Arts in the Elementary School
- EDF 4510 Elem. Methods in Science Teaching
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDEL 4520 Elementary Methods in Math. Teaching
- EDEL 4820 Capstone Sem. in Elem. Teaching

Senior Year
(Courses must be taken as listed in both semesters.)
First Semester
- EDEL 3100 Arts in the Elementary School
- EDF 4510 Elem. Methods in Science Teaching
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDEL 4520 Elementary Methods in Math. Teaching
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4630 Directed Teaching in the Elementary School

Second Semester
- EDLT 4610 Content Area Reading: Grades 2–6
- 12 Total Semester Hours

Mathematics Teaching

Bachelor of Science
The program leading to a Bachelor of Science degree in Mathematics Teaching is designed for students planning to teach mathematics on the secondary school level (grades 9–12). (Note: The program leading to a Bachelor of Arts degree in Secondary Education with a Teaching Area of Mathematics is also designed for students planning to teach mathematics on the secondary school level.) To be recommended for licensure, students must earn a grade of C or higher in all required mathematics content and education courses.

Freshman Year
First Semester
- CH 1050 Chemistry in Context I
- ED 1050 Orientation to Education
- EDF 3080 Classroom Assessment
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDEL 4520 Elementary Methods in Math. Teaching
- EDEL 4820 Capstone Sem. in Elem. Teaching

Second Semester
- EDEL 4510 Elem. Methods in Science Teaching
- EDF 4870 Elementary Methods in Social Studies Teaching
- EDF 4880 Elementary Methods in Language Arts Teaching
- EDEL 4520 Elementary Methods in Math. Teaching
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4600 Teaching Reading in the Elementary School

Third Semester
- EDEL 4830 Directed Teaching in the Elementary School
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4640 Directed Teaching in the Elementary School

Fourth Semester
- EDEL 4830 Directed Teaching in the Elementary School
- EDEL 4820 Capstone Sem. in Elem. Teaching
- EDLT 4640 Directed Teaching in the Elementary School

Cross-Cultural Awareness Requirement

Statements on page 27.
### Second Semester
1. **ENGL 1030 Composition and Rhetoric**
2. **MATH 1080 Calculus of One Variable II**
3. **PHYS 1220 Physics with Calculus I**
4. **PHYS 1240 Physics Lab I**
5. **Science Requirement**

### Junior Year
#### First Semester
1. **EDSF 1050 Orientation to Education**
2. **EDSF 2250/2260 A Prof. Approach to Sec. Algebra**
3. **EDSF 4250/4260 and EDLT 4980 must be taken concurrently prior to the teaching internship. Offered in the spring semester only.**
4. **EDSF 4270 Teaching Secondary Science**
5. **ENGL 2120, 2130, 2140, 2150**

#### Second Semester
1. **MATH 3080 College Geometry**
2. **EDSP 3700 Introduction to Special Education**
3. **EDSF 4370 Technology in Secondary Math.**

### Double Majors in Science Teaching and Content Area
The Bachelor of Arts Degree in Science Teaching could result in a double major in Science Teaching and the select content area (Biological Sciences, Chemistry, or Physics). To receive a double major in Science Teaching and the selected content area, a Change of Academic Program form must be completed to declare both majors. To achieve a double major, the appropriate plan of study listed under Science Teaching must be followed and all major requirements from both programs must be satisfied. The double major prepares students for teaching science on the secondary level and graduate work in the respective content field.

### TEACHING AREA: BIOLOGICAL SCIENCES
#### Bachelor of Arts
##### Freshman Year
#### First Semester
1. **BIOL 1030 General Biology I**
2. **BIOL 1050 General Biology Lab. I or BIOL 1060 General Biology Lab. II**
3. **CH 1010 General Chemistry**
4. **EDSF 4470 Teaching Internship in Sec. Sci.**
5. **EDSF 4570 Sec. Science Capstone Seminar**

#### Sophomore Year
#### First Semester
1. **CH 2010 Survey of Inorganic Chemistry**
2. **CH 2020 Survey of Organic Chemistry Lab.**
3. **HIST 1220 History, Technology and Society or HIST 1240 Environmental History Survey**
4. **PHYS 2070 General Physics I**
5. **PHYS 2090 General Physics I Lab.**
6. **Arts and Humanities (Literature) Requirement**
7. **Biochemistry or Genetics Requirement**
8. **Organismal Diversity Requirement**

### Junior Year
#### First Semester
1. **ANTH 2010 Introduction to Anthropology**
2. **GEOG 1030 World Regional Geography**
3. **BIOL 4610 Cell Biology**
4. **BIOL 4620 Cell Biology Laboratory**
5. **EDLT 4800 Foundations of Adolescent Literacy**
6. **EDSF 3270 Practicum in Secondary Science**
7. **Ecology Requirement**

### Senior Year
#### First Semester
1. **COMM 1500 Intro. to Human Comm. or COMM 2500 Public Speaking**
2. **EDSF 3700 Introduction to Special Education**
3. **EDSF 4270 Teaching Secondary Science**
4. **EDSF 4980 Secondary Content Area Reading**
5. **Arts and Humanities (Non-Lit.) Requirement**

### Second Semester
4. **EDSF 4470 Teaching Internship in Sec. Sci.**
9. **EDSF 4570 Sec. Science Capstone Seminar**

### TEACHING AREA: BIOLOGICAL SCIENCES
#### Bachelor of Science
##### Freshman Year
#### First Semester
1. **BIOL 1030 General Biology I**
2. **BIOL 1050 General Biology Lab. I or BIOL 1060 General Biology Lab. II**
3. **CH 1010 General Chemistry**
4. **EDSF 4470 Teaching Internship in Sec. Sci.**
5. **EDSF 4570 Sec. Science Capstone Seminar**
6. **EDSF 4470 and EDST 4980 must be taken concurrently. Offered spring semester only.**

### Double Majors in Science Teaching and Content Area
The programs leading to a Bachelor of Arts or Bachelor of Science degree in Science Teaching are designed for students planning to teach biological sciences, chemistry, or physical sciences on the secondary school level (grades 9–12). To be recommended for licensure, students must earn a grade of C or higher in all required science content and education courses.