

SCIENCE WITH TEACHER EDUCATION Biological Sciences Specialization

Name: _____
 E Number: _____
 Catalog: _____
 AS/AA/ASA Degree: _____
 Transfer Hours: _____

GENERAL EDUCATION 41- 49 hrs

Language 9hrs *Grade Semester*

ENG 1001G	3	___	___
ENG 1002G	3	___	___
CMN 1310G	3	___	___

Humanities/Fine Arts 9hrs

HU	3	___	___
FA	3	___	___
HU/FA	3	___	___

Senior Seminar 3hrs

EIU	___	___	___
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Seminar topic must be outside the major area. See Undergraduate Catalog for Senior Seminars that exclude Biological Sciences or Teacher Ed. majors.

Science Awareness 7hrs
Completed in major.

Social/Behavioral Sciences 9hrs

PLS1153/HIS 3600	3	___	___
EDF 2555G*	3	___	___
_____	3	___	___

Foreign Language 0-8hrs**

_____	___	___	___
_____	___	___	___

Mathematics 4hrs
Completed in major.

*This course meets Cultural Diversity requirement.

**Exempt if 2yrs in high school with "C" Avg.

SCIENCE 70 hrs *Grade Semester*

BIO 1500	4	___	___	General Biology I
BIO 1550G*	4	___	___	General Biology II
BIO 2210*	4	___	___	Anatomy & Physiology I
BIO 2220*	4	___	___	Anatomy & Physiology II
BIO 3120*	4	___	___	Mol & Cell Biology
BIO 3180*	4	___	___	Ecology & Evolution
BIO 3200*	4	___	___	Genetics
BIO 3400*	3	___	___	Methods of Teaching
GEO 1300G	4	___	___	Earth Science
GEO 1400G	4	___	___	Weather and Climate
GEO 2450G	3	___	___	Oceanography
MAT 2250G*	4	___	___	Elementary Statistics

Grade Semester

CHM 1310G*	3	___	___	General Chemistry I
CHM 1315G*	1	___	___	General Chemistry I Lab
CHM 1410*	3	___	___	General Chemistry II
CHM 1415*	1	___	___	General Chemistry II Lab
CHM 2730*	3	___	___	Quantitative Analysis
CHM 3100*	1	___	___	Practicum in Chemistry
PHY 1055G	3	___	___	Principles of Astronomy
PHY 1056G	1	___	___	Principles of Astronomy Lab
PHY 1151G*	3	___	___	Physics I
PHY 1152G*	1	___	___	Physics I Lab
PHY 1161*	3	___	___	Physics II
PHY 1162*	1	___	___	Physics II Lab

*Course has prerequisites that must be met prior to registration. See Undergraduate Catalog.

EDUCATION COURSES 31 hrs

Grade Semester

SED 2000	2	___	___	Introduction to Teaching
EDP 2330	3	___	___	Educational Psychology
EDF 4550	3	___	___	Critical Focus on Education
SED 3330	4	___	___	Instructional Tasks in the Sec. Sch.
SED 4330	3	___	___	Literacy, Assessment, Differentiation
SPE 4500	3	___	___	Education of Individuals with Exc.
STG 4000	1	___	___	Multicultural/Disabilities Practicum
STG 4001	12	___	___	Student Teaching

OTHER GRADUATION REQUIREMENTS

- _____ 120 Semester Hours (SH)
- _____ 40 SH of upper division courses (3000+)
- _____ 42 SH in residence at EIU
- _____ 32 SH junior-senior residency
- _____ 12 SH senior residency
- _____ 56 SH at senior institution

- _____ 2.65 Cumulative GPA
 - _____ 2.65 Major GPA
 - _____ "C" or better in each course used toward graduation
 - _____ Application for Graduation (First semester junior year)
 - _____ Exit Interview (Semester before student teaching)
 - _____ Electronic Writing Portfolio 1____ 2____ 3____
- See <http://www.eiu.edu/~assess/> for requirements.

Science with Teacher Certification – Biological Sciences Specialization

Suggested course sequence

This sequence ensures that courses will be taken in the required order. It may or may not be possible to follow the sequence exactly, depending on each semester's course schedule. Some courses have prerequisites that are not included here; see the Undergraduate Catalog for details.

FIRST YEAR

First Semester (14 SH)

ENG 1001G	(3 SH)	Comp and Language
BIO 1500	(4 SH)	General Biology I
GEO 1300G	(4 SH)	Intro to Earth Science
EDF 2555G	(3 SH)	Education in a Diverse Society

Second Semester (14 SH)

ENG 1002G	(3 SH)	Comp and Language
BIO 1550G	(4 SH)	General Biology II
PHY 1055G	(3 SH)	Principles of Astronomy
PHY 1056G	(1 SH)	Principles of Astronomy Lab
Gen Ed Elective	(3 SH)	Humanities

SECOND YEAR

First Semester (16 SH)

BIO 2210	(4 SH)	Anatomy & Physiology I
CHM 1310G	(3 SH)	General Chemistry I
CHM 1315G	(1 SH)	General Chemistry I Lab
GEO 2450G	(3 SH)	Oceanography
CMN 1310G	(3 SH)	Intro Speech Communications
SED 2000	(2 SH)	Intro to Teaching

Second Semester (15 SH)

BIO 2220	(4 SH)	Anatomy & Physiology II
MAT 2250G	(4 SH)	Statistics
CHM 1410	(3 SH)	General Chemistry II
CHM 1415	(1 SH)	General Chemistry II Lab
EDP 2330	(3 SH)	Educational Psychology

THIRD YEAR

First Semester (14 SH)

BIO 3120	(4 SH)	Molecular & Cell Biology
PHY 1151G	(3 SH)	Principles of Physics I
PHY 1152G	(1 SH)	Principles of Physics I Lab
CHM 2730	(3 SH)	Quantitative Analysis
BIO 3400	(3 SH)	Methods of Teaching

Second Semester (14 SH)

PHY 1161	(3 SH)	Principles of Physics II
PHY 1162	(1 SH)	Principles of Physics II Lab
GEO 1400G	(4 SH)	Weather and Climate
EDF 4550	(3 SH)	Critical Focus on Education
PLS 1153G/HIS 3600	(3 SH)	American Government

FOURTH YEAR

First Semester (15 SH)

BIO 3200	(4 SH)	Genetics
CHM 3100	(1 SH)	Practicum in Chemistry
SED 3330	(4 SH)	Instruct. Tasks in the Sec. School
SED 4330	(3 SH)	Literacy, Assessment, & Diff.
Gen Ed Elective	(3 SH)	Fine Arts

Second Semester (16 SH)

BIO 3180	(4 SH)	Ecology and Evolution
SPE 4500	(3 SH)	Ed. of Individuals with Except.
Gen Ed Elective	(3 SH)	Humanities or Fine Arts
Gen Ed Elective	(3 SH)	Social/Behavioral Sciences
EIU 4___	(3 SH)	Senior Seminar
Mandatory Departmental Exit Interview		

FIFTH YEAR

First Semester (13 SH)

STG 4000	(1 SH)	Multicultural/Disabilities Practicum
STG 4001	(12 SH)	Student Teaching