

Revised 11/06

MAJOR: SECONDARY SCIENCE WITH TEACHER CERTIFICATION
SPECIALIZATION: BIOLOGICAL SCIENCES
EFFECTIVE FALL 2006

BE PREPARED: Before meeting with your advisor, utilize the checklist at the Biological Sciences website:
http://www.eiu.edu/~biology/

NAME SOC. SEC. # CATALOG
ASSOCIATES DEGREE FROM TRANSFER HOURS

I. CHECKLIST OF GRADUATION REQUIREMENTS

- 130-137 Semester Hours (SH)
2.65 Cumulative GPA
2.65 Major GPA
40 SH of upper division courses (3000+)
Senior Seminar (after completion of 75 SH)
42 SH in residence at EIU
32 SH junior-senior residency
12 SH senior residency
56 SH at senior institution (transfer students)
Cultural Diversity (designated with an * in catalog)
Application for degree. Review requirements by first semester of junior year

II. ELECTRONIC WRITING PORTFOLIO (EWP)

New freshmen entering in Fall 2000 must successfully complete the Electronic Writing Portfolio by creating and submitting a portfolio of four writing samples written under guidance of faculty members in writing-centered or writing-intensive courses.

III. GENERAL EDUCATION REQUIREMENTS

Students transferring to EIU who have received an AA or AS degree in a baccalaureate-oriented program from an Illinois public community college, Lincoln College or Springfield College in Illinois or who completed the IAI General Education Core Curriculum are considered as having met lower division general education requirements.

Grade Semester Course # SH Title Component

HUMANITIES AND FINE ARTS (9 SH; at least one course in fine arts and one in humanities; courses must represent at least two different disciplines)

Table with 5 columns: Grade, Semester, Course #, SH, Title, Component. Includes rows for Fine Arts, Humanities, and Fine Arts or Humanities.

FOREIGN LANGUAGE (0 - 8 SH) Exempt? Yes No

Exemption? Two years in a single foreign language in high school with an average grade of C or better.

SOCIAL AND BEHAVIORAL SCIENCES (9 SH; courses must represent two different disciplines)

Table with 5 columns: Grade, Semester, Course #, SH, Title. Includes row for PLS1153/HIS 3600 with 3 SH and Constitution requirement.

LANGUAGE (9 SH; grade of C or better required)

___	___	ENG 1001G	3 SH	Composition and Language
___	___	ENG 1002G	3 SH	Composition and Literature
___	___	CMN 1310G	3 SH	Introduction to Speech Communication

MATHEMATICS (3 SH; completed in the major)

SCIENTIFIC AWARENESS (7 SH; completed in the major)

SENIOR SEMINAR (3 SH, except EIU 4101G, 4111G, 4186G, 4131G, 4169G, 4290G)

___	___	EIU	___	3 SH	_____
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To be taken after the student has completed 75 semester hours.

III. EDUCATION COURSE REQUIREMENTS. Professional education requirements for Illinois teacher certification will be explained in detail during SED 2000.

REGULAR PROGRAM COURSES

___	___	SED 2000	1 SH	INTRODUCTION TO SECONDARY EDUCATION
___	___	EDF 2555	3 SH	DIVERSITY OF SCHOOLS AND SOCIETIES
___	___	EDP 3331	3 SH	THEORIES OF LEARNING AND DEVELOPMENT FOR SECONDARY TEACHERS
___	___	SED 3330	3 SH	INSTRUCTIONAL TASKS IN THE SECONDARY SCHOOL
___	___	EDF 4450	3 SH	PHILOSOPHY AND HISTORY OF EDUCATION
___	___	SPE 3500	3 SH	THE EDUCATION OF INDIVIDUALS WITH EXCEPTIONALITIES
___	___	STG 4000	1 SH	MULTICULTURAL/DISABILITES PRACTICUM
___	___	STG 4001	14 SH	STUDENT TEACHING

INTEGRATED SECONDARY EDUCATION PROGRAM

___	___	SED 2000	1 SH	INTRODUCTION TO SECONDARY EDUCATION
___	___	EDF 2555	3 SH	DIVERSITY OF SCHOOLS AND SOCIETIES
___	___	SED 3000	3 SH	ISEP LEVEL 1
___	___	SED 3100	3 SH	ISEP LEVEL 2
___	___	SED 4000	3 SH	ISEP LEVEL 3
___	___	STG 4001	12-16 SH	STUDENT TEACHING

TAKE COURSES IN THE PRESCRIBED SEQUENCE WITH THE PROPER PREREQUISITES COMPLETED. LOOK CAREFULLY AT DEPARTMENTAL WEBSITE FOR SEMESTERS IN WHICH COURSES ARE TAUGHT SO DEGREE REQUIREMENTS CAN BE COMPLETED ON SCHEDULE.

I. BIOLOGICAL SCIENCES REQUIREMENTS (37 SH)

—	_____	BIO 1100	(4 SH)	GENERAL BIOLOGY
—	_____	BIO 1200G	(4 SH)	GENERAL BOTANY
—	_____	BIO 1300G	(4 SH)	ANIMAL DIVERSITY
—	_____	BIO 2200	(4 SH)	HUMAN ANATOMY
—	_____	BIO 3100	(3 SH)	CELL & MOLECULAR BIOLOGY
—	_____	BIO 3200	(4 SH)	GENETICS
—	_____	BIO 3400	(3 SH)	METHODS OF TEACH. BIO SCI IN HIGH SCHOOL
—	_____	BIO 3510	(4 SH)	PLANT PHYSIOLOGY
		OR		
—	_____	BIO 3520	(4 SH)	ANIMAL PHYSIOLOGY
—	_____	BIO 3800	(4 SH)	ECOLOGY
—	_____	BIO 4984	(3 SH)	ORGANIC EVOLUTION

II. CHEMISTRY REQUIREMENTS (12 SH)

—	_____	CHM 1310G	(3 SH)	GENERAL CHEMISTRY I
—	_____	CHM 1315G	(1 SH)	GENERAL CHEMISTRY LAB I
—	_____	CHM 1410	(3 SH)	GENERAL CHEMISTRY II
—	_____	CHM 1415	(1 SH)	GENERAL CHEMISTRY LAB II
—	_____	CHM 2730	(3 SH)	QUANTITATIVE ANALYSIS
—	_____	CHM 3100	(1 SH)	PRACTICUM IN CHEMISTRY

III. EARTH SCIENCES REQUIREMENTS (11 SH)

—	_____	ESC/GEL 1300G	(4 SH)	EARTH SCIENCES
—	_____	ESC/GEL 1400G	(4 SH)	WEATHER AND CLIMATE
—	_____	ESC/GEL 2450G	(3 SH)	OCEANOGRAPHY

IV. PHYSICS REQUIREMENTS (12 SH)

—	_____	PHY 1055G	(2 SH)	PRINCIPLES OF ASTRONOMY
—	_____	PHY 1056G	(1 SH)	PRINCIPLES OF ASTRONOMY LABORATORY
—	_____	PHY 1151G	(3 SH)	PRINCIPLES OF PHYSICS I
—	_____	PHY 1152G	(1 SH)	PRINCIPLES OF PHYSICS I LABORATORY
—	_____	PHY 1161	(3 SH)	PRINCIPLES OF PHYSICS II
—	_____	PHY 1162	(1 SH)	PRINCIPLES OF PHYSICS II LABORATORY

V. MINIMUM MATH REQUIREMENT (4 SH)

—	_____	MAT 2250G	(4 SH)	ELEM STATS
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SUGGESTED COURSE SEQUENCE
SCIENCE WITH TEACHER CERTIFICATION MAJOR – *BIOLOGICAL SCIENCES SPECIALIZATION*

PREREQUISITE(S) MAY BE REQUIRED for MAT 2250G. CONSULT WITH ADVISOR

FIRST YEAR

First Semester (14 SH)

ENG 1001G (3 SH) COMP & LANGUAGE
BIO 1100 (4 SH) GENERAL BIOLOGY
ESC/GEG 1300G(4 SH) INTRO TO EARTH SCI
GEN ED ELEC. (3 SH) HUMANITES

Second Semester (14 SH)

ENG 1002G (3 SH) COMP & LANGUAGE
BIO 1200G OR 1300 (4 SH) GEN. BOT. OR AN.DIV
CMN 1310G (3 SH) INTRO SPEECH COMM
ESC 1400G (4 SH) WEATHER & CLIMATE

SECOND YEAR

First Semester (16 SH)

BIO 1200G OR 1300G (4 SH) GEN BOT OR AN.DIV
CHM 1310G/1315G (4 SH) GEN CHEM I
SED 2000 (1 SH) INTRO SEC. ED
MAT 2250G (4 SH) STATISTICS
PLS 1153G/HIS 3600 (3 SH) AMER GOVT.

Second Semester (14 SH)

BIO 2200 (4 SH) HUMAN ANATOMY
CHM 1410/1415 (4 SH) GEN CHEM II
EDF 2555 (3 SH) DIVERSITY OF SCHOOLS
GEN ED ELEC (3 SH) FINE ARTS¹

THIRD YEAR

First Semester (16 SH)

PHY1151G/1152G (4 SH) PHYSICS I
ESC/GEL 2450G (3 SH) OCEANOGRAPHY
SED 3000 (3 SH) ASEP I
BIO 3100 (3 SH) CELL/MOLEC BIO
GEN ED ELEC (3 SH) HUMAN OR FINE ART

Second Semester (14 SH)

PHY 1161/1162 (4 SH) PHYSICS II
BIO 3200 (4 SH) GENETICS
SED 3100 (3 SH) ASEP II
GEN ED ELEC (3 SH) SOCIAL SCIENCE

FOURTH YEAR

First Semester (14 SH)

PHY 1055G/1056G (4 SH) ASTRONOMY
BIO 3510 or 3520 (4 SH) PLT or AN PHYS
CHM 2730 (3 SH) QUANT. ANALY
GEN ED ELEC (3 SH) SOCIAL SCIENCE

Second Semester (14 SH)

BIO 3800 (4 SH) ECOLOGY
BIO 3400 (3 SH) METHODS OF TEACHING
CHM 3100 (1 SH) PRACTICUM IN CHEM
BIO 4984 (3 SH) ORGANIC EVOLUTION
EIU 4--- (3 SH) SENIOR SEMINAR

FIFTH YEAR

First Semester 15 SH

SED 4000 (15 SH) STUDENT TEACHING