

**ADOLESCENT YOUNG ADULT (Secondary) EDUCATION
SINGLE FIELD SCIENCES**

(Earth Sciences; Life Sciences; Physical Science—Chemistry; Physical Science—Physics)
School of Teaching and Learning
College of Education and Human Development

NAME _____

2009-2010

Bachelor of Science in Education; Leads to single field science licensure in grades 7-12 in the one area completed. This degree program is designed to be completed in 4 years. Changing majors, academic issues or other unforeseen circumstances may require additional semesters for completion.

CONTENT FOR TEACHING SPECIALTY 53-58 HRS

_____ BIOL 1040 Introduction to Biology ## or	
_____ BIOL 2050 Concepts in Biology II ## **	4-5
_____ GEOL 1010 Earth Science	3
_____ CHEM 1250 or 1350 General Chemistry ##	5
_____ PHYS 2010 College Physics I ## or	
_____ PHYS 2110 University Physics I ##	5
_____ ENVS 4150 Investigating the Environment	3
_____ BIOL 4500 Teaching Evolution and the Nature of Science	3

PROFESSIONAL EDUCATION 52 HRS

_____ EDHD 2010 Introduction to Education @	2
_____ EDTL 2300 Introduction to Educ. Technology @	2
_____ EDIS 2310 Teaching Students w/Exceptionalities @	3
_____ EDTL 2750 Introd. to the Tchg. of Science @	3
_____ EDFI 3030 Educational Psychology Applied to Adolescent Development @	3
(must take PSYC 1010 ## first)	
_____ EDTL 3700 General Methods @	3
_____ EDFI 4080 Education in a Pluralistic Society @, ##	3
_____ EDAS 4090 Organization and Administration @	3

In addition to the 23-24 hours above, ONE single field must be completed. See reverse side for additional coursework.

**Life Sciences Single Field students must take Biology 2050.

Methods Block (courses taken concurrently)

_____ EDFI 4020 Assessment and Evaluation @	3
_____ EDTL 4180 Practicum in Secondary Schl. Settings @	3
_____ EDTL 4200 Content Reading @	3
_____ EDTL 4670 Computer Utilization @	3
_____ EDTL 4750 Science Methods @	3

Student Teaching (courses taken concurrently)

_____ EDTL 4850 Adv Seminar in the Tchg. of Science @	3
_____ EDTL 4970 Student Teaching @	12

COLLEGE REQUIREMENTS 8-9 HRS

_____ IPC 1020 @	3
_____ Mathematics Elective	5-6
(Choose from: 1310, 1340 & 1350 or 2320)	

BG PERSPECTIVE REQUIREMENTS

_____ GSW 1120 @	(_____ GSW 1100/1110)
<u>Natural Science</u>	
_____ Elective _____	
_____ Elective _____	
<u>Social and Behavioral Sciences</u>	
_____ Elective _____	
_____ Elective _____	
<u>Humanities and Arts</u>	
_____ Elective _____	
_____ Elective _____	
<u>Cultural Diversity in the United States</u>	
_____ Elective _____	
<u>Additional BG Perspective Course</u>	
_____ Elective _____	

Retention/Full Acceptance, Methods, Student Teaching, and Graduation Requirements are listed on the attached sheet.

For minor requirements in Biology, Chemistry, Physics, or Geology, consult your catalog.

NOTE

Undergraduate students or degree holders seeking initial licensure must meet all specified requirements, including satisfactory completion of the Praxis Tests.

Can also be used to fulfill elective in BG Perspective.

@ Grade of "C" or better required.

One BG Perspective course from above is an International Perspective course

Degree Audit Report (DAR) is available on MyBGSU.
This is an unofficial record of a student's progress.

Single Field Areas - Select One Area

LIFE SCIENCES	32-33 HRS
_____ BIOL 2040 Concepts in Biology I	5
_____ BIOL 3130 Microbiology	4
_____ BIOL 3310 Human Anatomy and Physiology I or	
_____ BIOL 3320 Human Anatomy and Physiology II	4
_____ BIOL 3430 General Botany or	
_____ BIOL 4220 Plant Ecology	4
_____ BIOL 3500 General Genetics	4
_____ BIOL 3540 Populations and Community Ecology	3
_____ BIOL 4200 Animal Behavior or	
_____ BIOL 4510 Evolution	3-4
_____ CHEM 1270 & 1280 General Chemistry & Lab or	
_____ CHEM 1370 & 1380 General Chemistry & Lab	5

EARTH SCIENCES	30 HRS
_____ ASTR 2120 The Solar System OR	
_____ ASTR 2010 Modern Astronomy	3
_____ GEOL 1050 Life Through Time	4
_____ GEOG 1250 Weather/Climate or	
_____ GEOG 2130 Meteorology	3
_____ GEOL 3060 Rocks and Minerals	4
_____ GEOL 3220 Human Environmental Geology	3
_____ GEOL 4100 Geomorphology	4
_____ GEOL 4930 Field Experience	6
_____ GEOL Elective (2050; 2150; 3040; or MATS 4010)	3

PHYSICAL SCIENCES: CHEMISTRY	32-34 HRS
_____ CHEM 1270 & 1280 General Chemistry & Lab or	
_____ CHEM 1370 & 1380 General Chemistry & Lab	5
_____ CHEM 2010 Lab Techniques	3
_____ CHEM 3060 Organic Chemistry	4
_____ CHEM 3080 & 3090 Basic Biochemistry	4
_____ CHEM 3130 Special Topics in Chemistry	1-3
_____ CHEM 3520 & 4070 Physical Chemistry & Lab	5
_____ MATH 2320 Calculus & Analytical Geometry	5
_____ PHYS 2020 College Physics II or	
_____ PHYS 2120 University Physics II	5

PHYSICAL SCIENCES: PHYSICS	30 HRS
_____ ASTR 2010 Modern Astronomy	3
_____ ASTR 2120 The Solar System	3
_____ MATH 2320 Calculus & Analytical Geometry	5
_____ MATS 4010 Survey of Material Science I	3
_____ PHYS 2020 College Physics II or	
_____ PHYS 2120 University Physics II	5
_____ PHYS 3010 & 3110 Modern Physics & Lab	4
_____ PHYS 3020 & 3120 Thermal Physics and Optics & Lab	4
_____ PHYS 3600 Environmental Physics	3

THREE IMPORTANT CHECKLISTS

I. Application for methods and student teaching is made at a sign-up meeting held the second Thursday of each semester for students planning to student teach the following semester. Information is available in Room 455 Education Building.

II. AYA METHODS ADMISSION REQUIREMENTS

- _____ Attainment of 60 semester hours
- _____ "C" or better in EDHD 2010
- _____ "C" or better in GSW 1120
- _____ "C" or better in IPC 1020
- _____ "C" or better in EDTL 2300
- _____ "C" or better in EDTL 2750
- _____ "C" or better in EDFI 3030
- _____ "C" or better in EDIS 2310
- _____ "C" or better in EDTL 3700
- _____ Accumulative BGSU GPA of at least 2.8
- _____ Content Specialty GPA of at least 2.8
- _____ Completed 80% of content course requirements.
- _____ Transfer students must complete 15 semester hours at BGSU.
- _____ Successfully passed Praxis II content exam(s)

III. PREREQUISITES FOR STUDENT TEACHING

- _____ Completion of 90 semester hours
- _____ Accumulative GPA of at least 2.8
- _____ Content Specialty GPA of at least 2.8
- _____ Completion of the following courses with a grade of "C" or better:
 - _____ EDFI 4020
 - _____ EDTL 4180
 - _____ EDTL 4200
 - _____ EDTL 4750
 - _____ EDTL 4670
- _____ No incompletes in courses that are prerequisites for student teaching
- _____ Successful completion of field and clinical experiences or recommendations from field and clinical supervisors

REMINDERS:

- (1) PSYC 1010 is a prerequisite to EDFI 3030, a required education course, and can be used as a Social Science elective in BG Perspective; EDFI 4080 is a required education course and can also be used as a Cultural Diversity elective in BG Perspective.
- (2) Meet with your advisor at least once each year. Names of advisors can be obtained via MyBGSU web page, click on "My Advisor."
- (3) SENIOR YEAR: You must apply for graduation on-line prior to the term deadline; complete an application for licensure during your student teaching semester--you will receive instructions during a required meeting that precedes student teaching.
- (4) Complete at least 30 hours of coursework at BGSU.
- (5) Please check your email and AYA Learning Community on MyBGSU regularly for AYA Education Program Announcements and Content Specialization Announcements. You are held accountable and responsible for adhering to rules, deadlines, etc., posted to MyBGSU Learning Community.
- (6) Note: For transfer students and degree-holding guests seeking licensure, applicable GPA will be calculated for methods and student teaching eligibility and to meet program requirements.