

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

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

NAME _____

2009-2010

Bachelor of Science in Education; Leads to dual field science licensure in grades 7-12 in the two areas 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	59-64 HRS	PROFESSIONAL EDUCATION	52 HRS
_____ BIOL 104 Introduction to Biology ## or		_____ EDHD 201 Introduction to Education @	2
_____ BIOL 205 Concepts in Biology II ## **	4-5	_____ EDTL 230 Introduction to Educational Technology @	2
_____ GEOL 101 Earth Science	3	_____ EDTL 275 Introduction to the Teaching of Science @	3
_____ CHEM 125 or 135 General Chemistry ##	5	_____ EDFI 303 Educational Psychology Applied	
_____ PHYS 201 College Physics I ## or		_____ to Adolescent Development @	3
_____ PHYS 211 University Physics I ##	5	_____ (must take PSYC 101 ## first)	
_____ ENVS 415 Investigating the Environment	3	_____ EDIS 231 Teaching Students w/Exceptionalities @	3
_____ BIOL 450 Teaching Evolution and the Nature of		_____ EDTL 370 General Methods @	3
_____ Science	3	_____ EDFI 408 Education in a Pluralistic Society @, ##	3
		_____ EDAS 409 Organization and Administration @	3

In addition to the 23-24 hours above, TWO dual fields must be completed. See reverse side for additional coursework.

**Life Sciences Dual Field students must take Biology 205.

- Select ONE**
- _____ Earth Sciences and Chemistry
 - _____ Earth Sciences and Physics
 - _____ Life Sciences and Chemistry
 - _____ Life Sciences and Earth Sciences
 - _____ Life Sciences and Physics
 - _____ Physical Sciences—Chemistry and Physics

Methods Block (courses taken concurrently)	
_____ EDFI 402 Assessment and Evaluation @	3
_____ EDTL 467 Computer Utilization @	3
_____ EDTL 418 Practicum in Secondary School Settings @	3
_____ EDTL 420 Content Reading @	3
_____ EDTL 475 Science Methods @	3

Student Teaching (courses taken concurrently)	
_____ EDTL 485 Adv Sem in the Teaching of Science @	3
_____ EDTL 497 Student Teaching @	12

COLLEGE REQUIREMENTS	8-9 HRS
_____ IPC 102 @	3
_____ Mathematics Elective	5-6
(Choose from the following: 131, 134 & 135 or 232)	

BG PERSPECTIVE REQUIREMENTS	
_____ ENG 112@	(_____ ENG 110/111)
Natural Science	
_____ Elective _____	
_____ Elective _____	
Social and Behavioral Sciences	
_____ Elective _____	
_____ Elective _____	
Humanities and Arts	
_____ Elective _____	
_____ Elective _____	
Cultural Diversity in the United States	
_____ Elective _____	
Additional BG Perspective Course	
_____ 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

Dual Field Areas - Select Two Areas

<u>LIFE SCIENCES</u>	<u>19-20 HRS</u>	<u>EARTH SCIENCES</u>	<u>17 HRS</u>
_____ BIOL 204 Concepts in Biology I	5	_____ ASTR 212 The Solar System	3
_____ BIOL 343 Botany	4	_____ GEOG 125 Weather/Climate or	
_____ BIOL 350 Genetics	4	_____ GEOG 213 Meteorology	3
_____ BIOL 354 Populations and Community Ecology	3	_____ GEOL 105 Life Through Time	4
_____ BIOL Elective (313; 331; 332; 422; 451)	3-4	_____ GEOL 306 Rocks and Minerals	4
(Note: You should consider preparation for Praxis II Content Exams when selecting electives.)		_____ GEOL 322 Human Environmental Geology	3
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<u>CHEMISTRY</u>	<u>19-20 HRS</u>	<u>PHYSICS</u>	<u>19 HRS</u>
_____ CHEM 127 & 128 General Chemistry & Lab or		_____ ASTR 212 The Solar System or	
_____ CHEM 137 & 138 General Chemistry & Lab	5	_____ ASTR 201 Modern Astronomy	3
_____ CHEM 306 Organic Chemistry	4	_____ MATS 401 Material Science	3
_____ CHEM 308 & 309 Basic Biochemistry	4	_____ PHYS 202 College Physics II or	
_____ CHEM 313 Special Topics in Chemistry	1-2	_____ PHYS 212 University Physics II	5
_____ CHEM 352 & 407 Physical Chemistry & Lab	5	_____ PHYS 301 & 311 Modern Physics & Lab	4
		_____ PHYS 302 & 312 Thermal Physics and Optics & Lab	4

THREE IMPORTANT CHECKLISTS

- I. Application for methods and student teaching is made at a sign-up meeting held the **FIRST** Thursday of each semester for students planning to student teach the following semester. Information is available in Room 455 Education Building.
- II. SECONDARY METHODS ADMISSION REQUIREMENTS
- _____ Attainment of 60 semester hours
 - _____ "C" or better in EDHD 201
 - _____ "C" or better in EDTL 230
 - _____ "C" or better in ENG 112
 - _____ "C" or better in IPC 102
 - _____ "C" or better in EDTL 275
 - _____ "C" or better in EDFI 303
 - _____ "C" or better in EDIS 231
 - _____ "C" or better in EDTL 370
 - _____ 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 402
 - _____ EDTL 418
 - _____ EDTL 420
 - _____ EDTL 475
 - _____ EDTL 467
 - _____ 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 101 is a prerequisite to EDFI 303, a required education course, and can be used as a Social Science elective in BG Perspective; EDFI 408 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 or afterward in Room 365 Education Building; complete an application for licensure during your student teaching semester--you will receive instructions during a required meeting that precedes student teaching.
- (4) Complete your last 30 hours immediately preceding graduation at BGSU. If you wish to deviate from this policy you must request permission to do so in 365 Education Building.
- (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.

(5/15/07)