Fall 2017 | School of Teaching and Learning – School of Teaching and Learning – ADOLESCENCE to YOUNG ADULT (Secondary) EDUCATION MAJOR

DUAL FIELD SCIENCE

Bachelor of Science in Education; Leads to licensure in grades 7-12. This degree program is designed to be completed in 8-9 semesters. Changing majors, academic issues or other unforeseen circumstances may require additional semesters for completion.

BG PERSPECTIVE (BGP) REQUIREMENTS:

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<td><strong>Must complete at least 1 course in each of the following:</strong></td>
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<td>English Composition and Oral Communication</td>
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<td>Quantitative Literacy</td>
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<td><strong>Must complete at least 2 courses in each of the following:</strong></td>
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<td>Humanities and the Arts</td>
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<td>Natural Sciences</td>
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<tr>
<td>Social and Behavioral Sciences</td>
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<td>Complete total required BGP credit hours by selecting courses from any of the above categories:</td>
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UNIVERSITY REQUIREMENTS

**Note:** Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

- Cultural Diversity in the U.S.
- International Perspective

Composition Requirement:

- GSW 1120 Academic Writing

Total BGP Credits: Must be at least 36

CONTENT FOR TEACHING SPECIALTY  60-62 HRS

<table>
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<tr>
<th><strong>BIOL 1040 Introduction to Biology</strong> or BIOL 2050 Concepts in Biology II **</th>
<th>**</th>
<th><strong>GEOL 1010 Earth Science</strong></th>
<th><strong>CHEM 1250 or 1350 General Chemistry II</strong></th>
<th><strong>PHYS 2010 College Physics I</strong> or PHYS 2110 University Physics I **</th>
<th><strong>ASTR 2010 Modern Astronomy</strong></th>
<th><strong>MATH 1150 Introduction to Statistics</strong></th>
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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 2050.**

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

PROFESSIONAL EDUCATION  33 HRS

(Take blocked courses concurrently - “C” or higher required in all Professional Ed courses.)

**Year I: What does it mean to be a teacher?**

- **EDTL 2010** Introduction to Education 3
- **EDTL 2300** Intro to Educational Technology 2

**Take one block each semester.**

- **EDTL 2750** Intro to Teaching Science 3
  
  **(Prereq for EDTL 3400)**
  
  **HDFS 1930 or PSYC 1010** (prereq for EDFI 3030) 3 - 4

**Year II: Who are my students?**

- **EDTL 2020** Teaching Adolescents 3
- **EDFI 3030** Educational Psychology 3
- **EDIS 2310** Teaching Students w/Exceptionalities 3

**Take one block each semester.**

- **EDFI 2980** Schools, Society, & Cultural Diversity 3
- **EDFI 2990** Field Exp in Cultural & Community Contexts 1

**Year III: How do I teach so all students can learn?**

- **EDTL 3400** Instruction & Differentiation Mid/HS 3
- **EDTL 3021** Digital Tech for Middle/HS Teachers 3

**Take one block each semester.**

- **EDAS 4090** Organization & Admin of Schools 3

**Year IV - The Professional Year:**

“Who am I as a teacher?”

**METHODS BLOCK (FALL ONLY)**  12 HRS

(See eligibility criteria on pg 2.)

- **EDTL 4020** Assessment & Evaluation 3
- **EDTL 4181** Practicum in Secondary Settings 3
- **EDTL 4200** Content Literacy 3
- **EDTL 4750** Science Methods 3

**STUDENT TEACHING** (See eligibility criteria on pg 2.)

- **EDTL 4850** Advanced Seminar in the Teaching of Science 3
- **EDTL 4970** Student Teaching Internship 12
LIFE SCIENCE

________________ BIOL 2040 Concepts in Biology I 4
________________ BIOL 3430 Botany OR BIOL 4220 Plant Ecology 4
________________ BIOL 3500 Genetics 4
________________ BIOL 3540 Populations and Community Ecology 3
________________ BIOL 4500 Teaching Evolution & Nature of Science 3

CHEMISTRY

________________ CHEM 1270 & 1280 General Chemistry & Lab OR
________________ CHEM 1370 & 1380 General Chemistry & Lab 5
________________ CHEM 3060 Organic Chemistry 4
________________ CHEM 3080 & 3090 Basic Biochemistry 4
________________ CHEM 3130 Special Topics in Chemistry 3
________________ CHEM 2010 Quantitative Chemical Analysis 3

EARTH SCIENCE

________________ ASTR 2120 The Solar System 3
________________ GEOL 1250 Weather/Climate 3
________________ GEOL 1050 Life Through Time 4
________________ GEOL 3060 Rocks and Minerals 4
________________ SEES 3000 Geospatial Science 3
________________ ENVS 4150 Investigating the Earth 3

PHYSICS

________________ ASTR 2120 The Solar System 3
________________ MATS 4010 Material Science 3
________________ PHYS 2020 College Physics II or
________________ PHYS 2120 University Physics II 5
________________ PHYS 3010 & 3110 Modern Physics & Lab 4
________________ PHYS 3600 Environmental Physics OR
________________ PHYS 3500 Musical Acoustics 4

IMPORTANT REMINDERS!

This is a competitive program. Your GPA is critical! Meet with your advisor at least once per semester to ensure you are on track. If you have trouble connecting with your advisor, contact either the Office of Student & Academic Services, 102 Education, or the Program Coordinator.

Read course descriptions on the BG homepage under “Academics.” These tell you which courses are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.

Freshman & Sophomore Years:

a. Prioritize coursework & studying.
b. Complete 1000 & 2000-level classes, along with major content courses. These are prerequisites for other courses you’ll need.
c. Ed Psych is a prereq for program admission, EDTL 3400, and several upper level classes.

You are a pre-major in AYA education until you meet criteria for Program Admission:

• 3.0 cumulative GPA
• Completion of GSW 1120, Year 1 block courses, EDTL 2020, EDFI 3030, & EDIS 2310 with a “C” or better.
• Writing sample
• Dispositions check
• Possible interview

You may apply again later if not admitted.

Junior Year: You will need a 3.0 cumulative GPA and 2.8 concentration-area GPAs to enroll in EDTL 3400.

a. You must also have taken all course prerequisites and completed them with a grade of “C” or better.

Senior Year: Both Methods and Student Teaching require 3.0 cumulative and 2.8 concentration-area GPAs. See eligibility requirements at left.

Transfer students must complete 15 semester hours at BGSU prior to program admission.