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:

Course | Credits
--- | ---
Must complete at least 1 course in each of the following:
English Composition and Oral Communication | 1
Quantitative Literacy | 1

Must complete at least 2 courses in each of the following:

Humanities and the Arts | 2
Natural Sciences | 2
Social and Behavioral Sciences | 2

Complete total required BGP credit hours by selecting courses from any of the above categories:

 unhackable

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. | 3
International Perspective | 3

Composition Requirement:

____ GSW 1120 Academic Writing | 3

Total BGP Credits: Must be at least 36

CONTENT FOR TEACHING SPECIALTY 60-63 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
____ ASTR 2010 Modern Astronomy | 3
____ MATH 1150 Introduction to Statistics | 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 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 32 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 | 2
____ EDTL 2300 Intro to Educational Technology | 2

Take one block each semester.

____ EDTL 2750 Intro to Teaching Science | 3
____ (Prereq for EDTL 3400)
____ HDFS 1930Q 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 Education, Culture, & Communities | 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            19 HRS

________  BIOL 2040 Concepts in Biology I   5
________  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           19 HRS

________ 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            20 HRS

________ ASTR 2120 The Solar System   3
________ GEOG 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              18 HRS

________ 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

DUAL FIELD AREAS - SELECT TWO AREAS

IMPORTANT CHECKLISTS

I. Application for Methods and Student Teaching is made at a sign-up meeting held the FIRST week of each semester for students planning to take Methods the following semester. Information is available in Room 101 Education Building. You must be fully eligible for methods by July 1.

II. AYA Methods Eligibility Requirements:

______ Attainment of 90 semester hours
______ 3.0 cumulative and 2.8 major GPA
______ 80% of content coursework complete
______ Evidence of meeting program OAE requirements
______ All course prereqs completed
______ "C" or better in GSW 1120
______ "C" or better in EDTL 2010
______ "C" or better in EDTL 2300
______ "C" or better in EDTL 2710, 2740, 2750, or 2760 (per major specialty)
______ "C" or better in HDFS 1930Q or PSYC 1010
______ "C" or better in EDTL 2020
______ "C" or better in EDFI 3030
______ "C" or better in EDIS 2310
______ "C" or better in EDFI 2980
______ "C" or better in EDFI 2990
______ "C" or better in EDTL 3400
______ "C" or better in EDTL 3021
______ "C" or better in EDAS 4090

III. Prerequisites for Student Teaching:

______ 100 semester hours completed
______ 3.0 accumulative GPA
______ 2.8 content specialty GPA
______ Program OAE exam criteria met
______ "C" or better in all methods coursework
______ No INCs in student teaching course prereqs
______ Positive recommendations from Cooperating Teacher, University Mentor, & campus instructors

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 prereqs 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.