DUAL FIELD SCIENCE

ADOLESCENCE to YOUNG ADULT (Secondary) EDUCATION MAJOR

BG PERSPECTIVE (BGP) REQUIREMENTS:

Course           Credits

Must complete at least 1 course in each of the following:
English Composition and Oral Communication

Quantitative Literacy

Must complete at least 2 courses in each of the following:
Humanities and the Arts
Natural Sciences - at least one Lab Science required
Social and Behavioral Sciences

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

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:
WRIT 1120 Research Writing

Total BGP Credits: Must be at least 36

CONTENT FOR TEACHING SPECIALTY 60-62 HRS

__ BIOL 1040 Introduction to Biology ** or
__ BIOL 2050 Concepts in Biology II ** 4
__ GEOI 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 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
(Preq 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 3020 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            18 HRS

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

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 Geospacial 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

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 1930 or PSYC 1010
     ________ “C” or better in EDTL 2020
     ________ “C” or better in EDI 3020
     ________ “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

DUAL FIELD AREAS - SELECT TWO AREAS

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.