

SINGLE FIELD SCIENCE

Bachelor of Science in Education; Leads to grades 7-12 licensure. 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

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

53-58 HRS

- _____ BIOL 1040 Introduction to Biology or BIOL 2050 Concepts in Biology II ** 4
- _____ GEOL 1010 Earth Science 3
- _____ CHEM 1230 & 1240 or 1350 General Chem 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 hours above, ONE single field must be completed. See reverse side for additional coursework.

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

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 (Prereq for EDTL 3400)	3
_____	HDFS 1930Q or PSYC 1010 (prereq for EDFI 3030)	3 - 4

Year II: Who are my students?

Take one block each semester.

_____	EDTL 2020 Teaching Adolescents	3
_____	EDFI 3020 Educational Psychology	3
_____	EDIS 2310 Teaching Students w/Exceptionalities	3

_____	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?

Methods Block ONE, Spring only*

_____	EDTL 3400 Instruction & Differentiation Mid/HS	3
_____	EDTL 3021 Digital Tech for Middle/HS Teachers	3
_____	EDTL 4200 Disciplinary Literacy	3

Year IV - The Professional Year: "Who am I as a teacher?"

Methods Block TWO, Fall only*

_____	EDTL 4181 Practicum in Secondary Settings	3
_____	EDTL 4020 Assessment & Evaluation	3
_____	EDTL 4750 Science Methods	3
_____	EDTL 4090 Organization & Admin of Schools	3

STUDENT TEACHING*

_____	EDTL 4850 Adv Sem in Classroom Instr & Mgmt: Science	3
_____	EDTL 4970 Student Teaching Internship	12

* See eligibility criteria on p.2 for each block

SINGLE FIELD AREAS - SELECT ONE AREA

LIFE SCIENCE

31 HRS

_____	BIOL 2040 Concepts in Biology I	4
_____	BIOL 3130 Microbiology or	
	BIOL 4200 Animal Behavior	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 Genetics	4
_____	BIOL 3540 Populations and Community Ecology	3
_____	BIOL 4500 Teaching Evolution & Nature of Science	3
_____	CHEM 1270 & 1280 General Chemistry & Lab or	
	CHEM 1370 & 1380 General Chemistry & Lab	5

PHYSICAL SCIENCES: CHEMISTRY

32 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	3
_____	CHEM 3520 Physical Chemistry	3
_____	MATH 2320 Calculus & Analytical Geometry	5
_____	PHYS 2020 College Physics II or	
	PHYS 2120 University Physics II	5

EARTH SCIENCE

30 HRS

_____	ASTR 2120 The Solar System	3
_____	ENVS 4150 Investigating the Earth	3
_____	GEOL 1050 Life Through Time	4
_____	GEOL 1060 Climate Change	4
_____	GEOG 1250 Weather/Climate	3
_____	GEOL 3060 Rocks and Minerals	4
_____	GEOL 4930 Field Experience	6
_____	SEES 3000 Geospacial Science	3

PHYSICAL SCIENCES: PHYSICS

30 HRS

_____	ASTR 2120 The Solar System	3
_____	MATS 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 3500 Musical Acoustics	3
_____	PHYS 3600 Environmental Physics	3

IMPORTANT CHECKLISTS

I. PROGRAM ADMISSION

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

- _____ 3.0 cumulative GPA
- _____ "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 PSYC 1010
- _____ "C" or better in WRIT 1120
- _____ "C" or better in EDTL 2020
- _____ "C" or better in EDFI 3020
- _____ "C" or better in EDIS 2310
- _____ "C" or better in EDFI 2980/90

II. METHODS BLOCK ONE ELIGIBILITY

Junior Year:

- _____ 3.0 cumulative GPA
- _____ 2.8 concentration-area GPA

III. Prerequisites for Student Teaching:

Methods Block Two registration is held in late fall or early spring of your block two year. You must be fully eligible for methods block two by summer of before your senior year. (July) 1.

- _____ Attainment of 90 semester hours
- _____ 3.0 cumulative and 2.8 major GPA
- _____ 80% of content coursework complete
- _____ Program OAE exam criteria met
- _____ "C" or better in EDTL 3400
- _____ "C" or better in EDTL 3021
- _____ "C" or better in EDTL 4200

IV. STUDENT TEACHING ELIGIBILITY

- _____ 100 semester hours completed
- _____ 3.0 accumulative GPA
- _____ 2.8 content speciality GPA
- _____ **Eligibility for Professional Year Internship:** A passing score on all required Ohio Assessments for Educators (OAE) as determined each year by the Department of Education is required to be eligible for the Professional Year Internship (student teaching). (Note: OAE test requirements are subject to change, so continue to check with your program and the Ohio Department of Education for updates).
- _____ "C" or better in all methods block two course work

V. GRADUATION REQUIREMENTS

- _____ "C" or better in Senior Seminar
- _____ Pass Student Teaching
- _____ Pass edTPA
- _____ Program OAE exam criteria met

IMPORTANT REMINDERS!

Monitor your GPA regularly using your degree audit.

- (1) **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.

- (2) **Read course descriptions on the BG website under "Academics."** These tell you which courses are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.

(3) **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.

- (4) **Transfer students** must complete 15 semester hours at BGSU prior to program admission.

- (5) BCI/FBI background checks must be renewed annually and sent directly to the Office of Educator Preparation and Partnerships by July 1.
- (6) No courses in "Professional Education" from p.1 may be taken S/U, and no more than one course in "Content for Specialty" from p.1 may be taken S/U.
- (7) Apply for graduation within the first few weeks of the semester in which you wish to graduate.
- (8) Apply for your Ohio license during your final semester.
- (9)