

INTEGRATED SCIENCES SPECIALIZATION

Bachelor of Science in Education; Leads to grades 7-12 licensure. This degree program is designed to be completed in 4 years but is subject to change due to many variables that may cause a delay towards degree completion/graduation.

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

76 HRS

- _____ BIOL 2050 Concepts in Biology II 4
- _____ GEOL 1010 Earth Science 3
- _____ CHEM 1230 & 1240 or CHEM 1350 Gen 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 hours above, four science fields must be completed. See reverse side for additional coursework.
 (must take PSYC 1010 or HDFS 1930 first)

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?

Take one group of courses each semester.

_____	EDTL 2010 Introduction to Education	3
_____	EDTL 2300 Intro to Educational Technology	2

_____	EDTL 2750 Intro to Teaching Science (Prereq for EDTL 3400)	3
_____	HDFS 1930 or PSYC 1010 (prereq for EDFI 3020)	3 - 4

Year II: Who are my students?

Take one group of courses 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 1, Spring only*

_____	EDTL 3400 Differentiation & Instruction 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 2, Fall only*

_____	EDTL 4181 Practicum in Secondary School Settings	3
_____	EDFI 4020 Assessment & Evaluation	3
_____	EDTL 4750 Science Methods	3
_____	EDL 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 pg 2. for each block**

INTEGRATED SCIENCE AREAS - SELECT ALL FOUR AREAS

In addition to science content on the front side under "Content For Teaching Speciality, all students will complete:

LIFE SCIENCES

14 HRS

_____	BIOL 2040 Concepts in Biology I	4
_____	BIOL 3500 Genetics	4
_____	BIOL 3540 Populations and Community Ecology	3
_____	BIOL 4500 Teaching Evolution & Nature of Science	3

CHEMISTRY

12 HRS

_____	CHEM 1270 & 1280 General Chemistry & Lab or	
_____	CHEM 1370 & 1380 General Chemistry & Lab	5
_____	CHEM 3060 Organic Chemistry	4
_____	CHEM 3130 Special Topics in Chemistry	3

EARTH SCIENCE

14 HRS

_____	GEOG 1250 Weather/Climate	3
_____	GEOL 1050 Life Through Time	4
_____	GEOL 3060 Rocks and Minerals	4
_____	SEES 3000 Geospacial Science	3

PHYSICS

12 HRS

_____	MATS 4010 Material Science	3
_____	PHYS 2020 College Physics II or	
_____	PHYS 2120 University Physics II	5
_____	PHYS 3010 & 3110 Modern Physics & Lab	4

The chart below indicates Benchmarks required for admission to the AYA Program, Block 1 (spring of Junior year), Block 2 (fall of Senior year), Student Teaching, and Graduation.

Benchmarks for Teaching Progression	Required cumulative GPA	Required content GPA	"C" or higher in classes	Required classes	Content course work completed	OAE	edTPA
Program Admission	3.0	N/A	<ul style="list-style-type: none"> •EDTL 2010 •EDTL 2300 •EDTL 2750 •PSYC 1010 •WRIT 1120 •EDTL 2020 •EDFI 3020 •EDIS 2310 •EDFI 2980/90 	45	N/A	N/A	N/A
Methods Block 1 Eligibility	3.0	2.8	N/A	N/A	N/A	N/A	N/A
Methods Block 2 Eligibility	3.0	2.8	<ul style="list-style-type: none"> •EDTL 3400 •EDTL 3021 •EDTL 4200 	90 semester hours	80% of content coursework completed	Pass OAE(s) or have taken at least 2 times by July 1	N/A
Student Teaching Eligibility	3.0	2.8	<ul style="list-style-type: none"> •EDTL 4750 •EDTL 4181 •EDL 4090 •EDFI 4020 	100 semester hours	N/A	Pass OAE by mid-December	N/A
Graduation Requirements	N/A	N/A	<ul style="list-style-type: none"> •EDTL 4850 •EDTL 4970 	N/A	100% of content coursework completed	N/A	Complete edTPA

Additional Policies

1. Transfer Students must complete 15 semester hours at BGSU prior to program admission.
2. BCI/FBI background checks must be renewed annually and sent directly to the Office of Education Preparation and Partnerships by July 1.
3. No courses in "Professional Education" may be taken S/U, and no more than one course in "Content for Teaching Specialty" may be taken S/U.

General Advice for Success

1. Monitor your GPA regularly using your degree audit.
2. Meet with your academic advisor at least once per semester to ensure you are on track. If you have difficulty connecting with your advisor, contact the Program Coordinator.
3. Read course descriptions on the BG web page under "Academics." These descriptions list the courses that are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.
4. Freshman and Sophomore Years:
 - a. Prioritize coursework and studying.
 - b. Complete 1000 & 2000-level classes, along with major content courses. These are prerequisites for other courses you will need.
 - c. Education Psychology is a prerequisite for program admission, EDTL 3400, and several upper-level classes, as shown in the table.