

INTEGRATED MATHEMATICS SPECIALIZATION

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

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

43-44 HRS

- _____ EDTL 2741 Algebra in the Sec. Math Class 3
- _____ EDTL 2742 Geo & Prob in the Sec. Math Class 3
- _____ Math 1310 Calculus & Analytic Geometry I 5
- _____ Math 2320 Calculus & Analytic Geometry II 5
- _____ Math 2330 Calculus & Analytic Geometry III 3-4
- _____ or Math 2350 Calc. & An. Geom. III w/vector fields
- _____ Math 3220 Discrete Mathematics 3
- _____ Math 3320 Elementary Linear Algebra 3
- _____ Math 3390 Modern Algebra 3
- _____ Math 3410 Probability & Statistics 3
- _____ Math 4020 Modern Geometry 3
- _____ Math 4110 History of Math 3
- _____ Math Elective @ 3000/4000 level _____ 3
- _____ Or MATH 2450 if no prior credit for MATH 1150.
- _____ Excluding Math 3950, 4150, 4950.

SELECT ONE

- _____ Math 4170 Adv. Math for Secondary Teachers ### 3
- _____ Math 4650 Introduction to Real Analysis I 3

Math 4170 is recommended. It should be taken concurrently with the Secondary Methods Block.

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 Introduction to Educational Technology	2

_____ EDTL 2740 Intro to Secondary Math	3
(This course is a prereq for EDTL 3400.)	
_____ 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 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 2, Fall only*

_____ EDTL 4181 Practicum in Secondary School Settings	3
_____ EDFI 4020 Assessment & Evaluation	3
_____ EDTL 4740 Math Methods	3
_____ EDL 4090 Organization & Admin of Schools	3

STUDENT TEACHING*

_____ EDTL 4840 Adv Seminar in Math Teaching	3
_____ EDTL 4970 Student Teaching Internship	12

***See eligibility criteria on p.2 for each block**

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 2740 •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 4740 •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 4840 •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.