

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 semesters. Changing majors, academic issues or other unforeseen circumstances may require additional semesters for completion.

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

- _____ ECTL 2741 Algebra in the Sec. Math Class 3
- _____ ECTL 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?

- | | |
|---|---|
| _____ ECTL 2010 Introduction to Education | 3 |
| _____ ECTL 2300 Intro to Educational Technology | 2 |

Take one block each semester.

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|--|-------|
| _____ ECTL 2740 Intro to Secondary Math | 3 |
| (This course is a prereq for ECTL 3400.) | |
| _____ HDFS 1930Q or PSYC 1010 (prereq for EDFI 3020) | 3 - 4 |

Year II: Who are my students?

Take one block each semester.

- | | |
|--|---|
| _____ ECTL 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*

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

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

Methods Block TWO, Fall only*

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|---|---|
| _____ ECTL 4181 Practicum in Secondary Settings | 3 |
| _____ ECTL 4020 Assessment & Evaluation | 3 |
| _____ ECTL 4740 Math Methods | 3 |
| _____ EDL 4090 Organization & Admin of Schools | 3 |

STUDENT TEACHING*

- | | |
|--|----|
| _____ ECTL 4860 Adv Seminar in Social Studies Teaching | 3 |
| _____ ECTL 4970 Student Teaching Internship | 12 |

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

IMPORTANT BENCHMARKS

I. PROGRAM ADMISSION

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

- _____ 3.0 cumulative
- _____ "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. METHODS BLOCK TWO ELIGIBILITY

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
- _____ 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 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 specialty GPA
- _____ Program OAE exam criteria met
- _____ "C" or better in all methods two coursework

V. Graduation Requirements

- _____ C or better in Senior Seminar

IMPORTANT REMINDERS!

- (1) **Monitor your GPA regularly using your degree audit**
- (2) **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.
- (3) **Read course descriptions on the BG webpage under "Academics."** These tell you which courses are prerequisites for subsequent classes, the GPA required, whether the course includes a field experience, etc.
- (4) **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.
- (5) **Transfer students** must complete 15 semester hours at BGSU prior to program admission.
- (6) BCI/FBI background checks must be renewed annually and sent directly to the Office of Education Preparation and Partnerships by July 1.
- (7) 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.
- (8) Apply for graduation within the first few weeks of the semester in which you wish to graduate.
- (9) Apply for your Ohio license during your final semester.