

**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**

- \_\_\_\_\_ 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**

**3 HRS**

- \_\_\_\_\_ 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?**

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

**Take one block each semester.**

- |  |       |
|--|-------|
| _____ EDTL 2740 Intro to Secondary Math              | 3     |
| (This course is a prereq for EDTL 3400.)             |       |
| _____ HDFS 1930Q or PSYC 1010 (prereq for EDFI 3020) | 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 4740 Math Methods                    | 3 |
| _____ EDL 4090 Organization & Admin of Schools  | 3 |

**STUDENT TEACHING\***

- |  |    |
|--|----|
| _____ EDTL 4860 Adv Seminar in Social Studies Teaching | 3  |
| _____ EDTL 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.