

**UNDERGRADUATE TEACHER EDUCATION**  
**Bachelor of Science in Education**  
**Initial Licensure Requirements**  
**2024-2025**  
**ADOLESCENT/YOUNG ADULT LICENSURE**  
**Integrated Mathematics**  
**Academic Plan**

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**Introduction to the Student:**

Welcome to Ashland University Teacher Education. You have expressed a desire to matriculate in one of our licensure programs. There are four categories of expectations during your time in teacher education:

- Institutional Core Requirements
- Major Course Requirements
- Teacher Education eligibility requirements
- Teacher Education field and clinical requirements

This plan outlines those expectations in each of those categories. In addition, the plan provides teacher education or university offices where you can get further clarification. It is your responsibility to understand all expectations and work closely with your advisor in order to successfully fulfill these expectations.

Please keep a copy of this plan in your records and keep it continually updated. You SHOULD bring your copy with you when you meet with your advisor or other department personnel.

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**Introduction to the Faculty Advisor:**

- At your first meeting with the student, please distribute a copy of this plan to the student.
- The student SHOULD sign and date the official plan upon its receipt.
- Continue to update the plan as the student proceeds in the program.

If a student is changing his or her licensure area (and, hence, their plan) please follow the verification procedure, below, and be sure the new plan is filed in the student's cumulative file along with the old plan.

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**VERIFICATION OF RECEIPT:**

I have received a copy of this academic plan, and I understand that if I change my licensure area

I will have to obtain the appropriate plan from a Teacher Education department office.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Advisor

\_\_\_\_\_  
Date

**Policies related to Maintaining Good Standing in the Teacher Education Program:**

1. The student is expected to achieve a minimum 2.5 GPA for the Institutional and Major GPAs for all programs; and Concentrations GPAs for Middle Grades licenses.
2. If, at any time, the student's Institutional GPA, Major GPA, and/or Concentrations for Middle Grades GPA's fall below the 2.5 requirement, the student must meet with his or her faculty advisor and complete the "Student Interview and Action Plan Form." This form requires that the student meets with their academic advisor and develop an action plan. This form is to be signed by the student, faculty advisor, and the department chair. This form is to be kept by the faculty advisor and a copy is to be submitted to the Director of Quality Assurance and Accreditation in the College of Education
3. A grade of C or higher is required in each professional education course required for the Licensure Program. Any teacher education student who receives a grade lower than a C must retake the course.

**College of Education Program Gateways**

All education students must meet the requirements for a set of distinct and specific Gateways throughout their programs. These Gateways ensure that students are meeting both internal and external expectations for successful program completion, as well as state/national accreditation standards and Ohio teacher licensure requirements.

- *Gateway I* – Admission to first field experience
- *Gateway II* – Admission to Teacher Education
- *Gateway III* – Admission to Internship (aka, Student Teaching)
- *Gateway IV* – Exit from Internship
- *Gateway V* – Recommendation for Licensure

Gateway requirements\* may include:

- Meeting application deadlines
- Following program outlines by enrolling in/completing appropriate courses
- Successfully meeting course minimum grades
- Meeting all College of Education program and testing requirements
- Submitting current and/or updated Bureau of Criminal Investigation (BCI) and Federal Bureau of Investigation (FBI) background checks
- Achieving an overall minimum GPA
- Achieving minimum GPAs for program(s)/specialty area(s)

[\*\*\\*See the COE Field Website page for more information.\*\*](#)

**Integrated Mathematics Grades 7-12**  
**Institutional Baccalaureate Degree Requirements**

Category	Title	Sem. Hrs.
Composition I	ENG 101 English Composition I	3
Composition II	ENG 102 English Composition II	3

_____	Communications	COM 101 Human Communications	3
_____	I received a C or higher for Communications or an equivalent course. (C or higher required for admission into Teacher Education.)		
_____	Math/Logic	MATH 108 Introductory Statistics recommended	3
_____	* Math Concentration will meet this core requirement.		
_____	Religion	Student Choice	3
_____	Aesthetics	Two-Student Choice	6
_____	Humanities	Two-Student Choice	6
_____	Natural Sciences	Two-Student Choice	6
_____	Social Science	PSYC 218 & Student Choice	6
_____	*Teacher Ed requirements and student choice will meet this core requirement.		
_____	Historical Reasoning	Student Choice	3
_____	Critical Cultural Inquiry	Student Choice – Language study, travel options, or specially designed coursework.	3
Total Institutional Requirements			45

**AYA 7-12 Licensure – Integrated Mathematics**  
**LICENSURE COURSES/EXPECTATIONS**  
**(CONT.)**

**Teacher Education and Integrated Mathematics Major Courses**

Course#	Title	Sem. Hrs.	Prerequisites/Requirements
_____ EDFN 130	Intro to Teaching	3	None
_____	I have signed a “Good Moral Character” statement, and it has been submitted to the Office of Field experiences & Internships 240 Schar. NOTE: Form is distributed in EDFN 130. Office of Field Experiences & Internships have extras.		
_____ EDFN 202	Teaching and Learning Process	3	EDFN 130
_____ EDIS 250	Intro. To Educ. Intervention	3	None
_____ EDCI 392	Content Area Reading	3	None
_____ PSYC 218	Psychology of Adolescence	3	None; (Soc. Sci. Core)
_____	If applicable) I have passed all three sections of the ETS Core Test, and have submitted those scores to the Office of Field Experiences & Internships		

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**BLOCKED COURSES (Courses which MUST be taken together.)**

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\_\_\_\_\_ I have applied for the EDCI 230SEC field experience PRIOR to registering for EDCI 232/230SEC. The online application form can be found on the Field Experiences & Internships webpage

\_\_\_\_\_ I understand a valid background check must be on file in the Field Office before beginning a placement. There is a fee associated with the background check. This background check is good for one year.

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_____ EDCI 232	Instruct. Design & Ed Tech for Teaming	3	EDFN 130 & 202.
_____ EDCI 230SEC	AYA (7-12) Field Experience	1	EDFN 130, 202, concurrent with EDCI 232

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\_\_\_\_\_ I have met all Teacher Education requirements up to this time.

\_\_\_\_\_ I have submitted an online application for the field experience EDCI 330SEC with EDCI 317. The online application can be found on the Field Experiences & Internships webpage. I understand applications are due in the semester prior to my anticipated participation. The deadlines are January 30<sup>th</sup> for fall placements and September 15<sup>th</sup> for spring placements.

\_\_\_\_\_ I understand a valid background check must be on file in the Field Office before beginning a placement. There is a fee associated with the background check.

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_____ EDCI 317	Teaching 21 <sup>st</sup> Century Adol. MATH	3	EDFN 202, EDCI 232, concurrent with EDCI 330SEC
_____ EDCI 330SEC	AYA (7-12) Field Experience	3	EDCI 232, 230SEC, PSYC 218, concurrent with EDCI 317.

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\_\_\_\_\_ I know I should take OAE (Ohio Assessment for Educators) tests after completing the majority of my content area, and typically no later than during my final semester, and understand that taking the tests before the internship is highly recommended. (The Coordinator of Testing, [mmlater1@ashland.edu](mailto:mmlater1@ashland.edu), can assist you with applications, deadlines, costs, and preparations.)

\_\_\_\_\_ I have applied for the EDCI 461 student internship. As part of my application I developed a resume. (The Office of Field Experiences & Internships as well as the Career Development Office can assist you with this expectation.)

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_____ EDFN 402	Social and Professional Issues in Educ.	2	Concurrent with Student Teaching
_____ EDCI 461	Student Internship Grades 7-12	10	All Student Internship Requirements

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\_\_\_\_\_ I have contacted the Career Development Office to discuss job search strategies and opportunities.

\_\_\_\_\_ I have applied for state teaching licensure. (The Office of Licensure can assist with the applications, deadlines, and costs.) I understand that part of the application will be a background check if one calendar year has passed since my last background check.

\_\_\_\_\_ I have applied for graduation within the time frame of the Registrar's Office. For May graduation, applications are due the previous November. For December graduates, applications are due the previous September.

## INTEGRATED MATHEMATICS MAJOR COURSES

<b>Course</b>	<b>Description</b>	<b>Credit</b>	<b>Prerequisite</b>
_____ CS 101	Logic and Computing	3	2 Years H.S. Algebra
_____ MATH 205	The Calculus I	5	MATH 111 or Equivalent
_____ MATH 206	The Calculus II	5	MATH 205
_____ MATH 108	Introductory Statistics	3	MATH 100 or ACT 18 or SAT 480
_____ or	or		
_____ MATH 318	Mathematics of Statistics	(3)	MATH 250, 305, 317
_____ MATH 223	Discrete Mathematics I	3	3 years H.S. College Prep Math
_____ MATH 230	Mathematical Modeling	3	MATH 206 & 223
_____ MATH 250	Mathematical Proof	1	MATH 223
_____ MATH 305	The Calculus III	4	MATH 206
_____ MATH 307	Linear Algebra	3	MATH 202, 206, or 224
_____ MATH 309	History of Mathematics	3	MATH 223; 202, or 206
_____ MATH 311	Modern Geometry	3	MATH 206, 223, 250
_____ MATH 317	Probability	3	MATH 223, 250; 202 or 206
_____ MATH 415	Introduction to Modern Algebra	3	MATH 223, 250, 307
_____ MATH 450	Seminar	1	Jr. or Sr. Status
*MATH/CS/PHYS Elective-choose one from:		3-5	
_____ CS 121	Computer Programming, I	(3)	CS 101
_____ MATH 217	Theory of Arithmetic and Geometry	(3)	Math 100 or ACT 18 OR SAT 480
_____ MATH 319	Number Theory	(3)	MATH 206, 223, and 250
_____ PHYS 201	General Physics I	(4)	H.S. Algebra & Geometry
_____ PHYS 205	University Physics I	(5)	MATH 206

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
ENG 101	Composition I (Core 2)	3	EDIS 250	Introduction to Educational Intervention	3
CORE	Institutional Requirement (Core 3)	3	ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 4)	3	CORE	Institutional Requirement (Core 6)	3
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>17</b>

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 250	Mathematical Proof (spring only)	1
MATH 305	Calculus III (fall only)	4	MATH 307	Linear Algebra (spring only)	3
PSYC 218	Psychology of Adolescence (Core 7)	3	MATH 309	History of Mathematics (spring odd)	3
CORE	Institutional Requirement (Core 8)	3	EDCI 230SEC	AYA (7-12) Field Experience	1
CORE	Institutional Requirement (Core 9)	3	EDCI 232	Instructional Design and Educational Technology for Teaming	3
			CORE	Institutional Requirement (Core 10)	3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>14</b>

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 311	Modern Geometry (fall odd)	3	MATH 108 or MATH 318	Introductory Statistics or Mathematical Statistics (spring even)	3
MATH 317	Probability (fall odd)	3	MATH 230	Mathematical Modeling (spring even)	3
EDCI 392	Content Area Reading	3	MATH 450	Seminar (spring only)	1
CS 101	Logic and Computing (fall only)	3	EDCI 330SEC	AYA (7-12) Field Experience II	3
CORE	Institutional Requirement (Core 11)	3	EDCI 317	Teaching 21 <sup>st</sup> Century Adol. Math (spring only)	3
			CORE	Institutional Requirement (Core 12)	3
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>16</b>

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	EDFN 402	Social and Professional Issues	2
ELECTIVE	Math/CS/Physics Elective	3-5	EDCI 461	Student Internship Grades 7-12	10
CORE	Institutional Requirement (Core 13)	3			
CORE	Institutional Requirement (Core 14)	3			
CORE	Institutional Requirement (Core 15)	3			
	<b>TOTAL</b>	<b>15-17</b>		<b>TOTAL</b>	<b>12</b>

122-124 hours

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
ENG 101	Composition I (Core 2)	3	EDIS 250	Introduction to Educational Intervention	3
CORE	Institutional Requirement (Core 3)	3	ENG 102	Composition II (Core 5)	3
CORE	Institutional Requirement (Core 4)	3	CORE	Institutional Requirement (Core 6)	3
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>17</b>

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 230	Mathematical Modeling (spring even)	3
MATH 305	Calculus III (fall only)	4	MATH 250	Mathematical Proof (spring only)	1
PSYC 218	Psychology of Adolescence (Core 7)	3	MATH 307	Linear Algebra (spring only)	3
CORE	Institutional Requirement (Core 8)	3	EDCI 230SEC	AYA (7-12) Field Experience I	1
CORE	Institutional Requirement (Core 9)	3	EDCI 232	Instructional Design and Educational Technology for Teaming	3
			CORE	Institutional Requirement (Core 10)	3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>14</b>

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	MATH 108	Introductory Statistics	3
ELECTIVE	Math/CS/Physics Elective	3-5	EDCI 330SEC	AYA (7-12) Field Experience II	3
EDCI 392	Content Area Reading	3	EDCI 317	Teaching 21 <sup>st</sup> Century Adol. Math (spring only)	3
CS 101	Logic and Computing	3	MATH 309	History of Mathematics (spring odd)	3
CORE	Institutional Requirement (Core 11)	3	MATH 450	Seminar (spring only)	1
			CORE	Institutional Requirement (Core 12)	3
	<b>TOTAL</b>	<b>15-17</b>		<b>TOTAL</b>	<b>16</b>

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 311	Modern Geometry (fall odd)	3	EDFN 402	Social and Professional Issues	2
MATH 317	Probability (fall odd)	3	EDCI 461	Student Internship: Grades 7-12	10
CORE	Institutional Requirement (Core 13)	3			
CORE	Institutional Requirement (Core 14)	3			
CORE	Institutional Requirement (Core 15)	3			
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>12</b>

## Note/Memos