

UNDERGRADUATE TEACHER EDUCATION

Bachelor of Science in Education

Initial Licensure Requirements

2024-2025

MIDDLE CHILDHOOD (4-9)

Science and Math Concentration

Academic Plan

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.

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.

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.](#)

Science and Math Concentration
Institutional Baccalaureate Degree Requirements

Category	Course	Semester Hours
Composition I	ENG 101 English Composition I	3
Composition II	ENG 102 English Composition II	3
Communication	COM 101 Human Communication	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 217-Theory of Arith/Geom. *Teacher Education requirements will meet this core requirement	3
Religion	Student choice	3
Aesthetic	Student choice	6
Humanities	Student choice	6
Natural Science	Student choice *Science concentration requirements will meet this core requirement.	6
Social Science	PSYC 218 & Student choice *Teacher Ed. Requirements and student choice will meet this core requirement.	6
Historical Reasoning	Student choice *Social Studies concentration requirement will meet this core requirement.	3
Critical Cultural Inquiry	Student choice	3
Total Institutional Requirements		45 Hrs.

MIDDLE CHILDHOOD (4-9)
Science and Math Concentration
LICENSURE COURSES/EXPECTATIONS (CONT.)

Course#	Title	Sem. Hrs.	Prerequisites/Requirements
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EDFN 130	Intro to Teaching	3	None
<p>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.</p>			
READ 210	Foundations of Literacy	3	EDFN 130
EDFN 202	Teaching and Learning Process	3	EDFN 130
EDCI 234	Middle Grades Philosophy, Organization & Climate	3	EDFN 130
EDIS 250	Intro. To Educational Intervention	3	None
READ 220	Phonological Awareness/Phonics	3	None
EDCI 312	Teaching Reading & Writing Methods for Middle Grades & Secondary Students	3	EDEC 140, 262 Middle Grades only.
EDCI 392	Content Area Reading	3	None
PSYC 218	Psychology of Adolescence	3	None
MATH 217	Intermediate Arith/Geometry	3	MATH 100 or ACT 18 or SAT 480, Fa only

(If applicable) I have passed all sections of the ETS Core Test and have submitted those scores to the Office of Field Experiences & Internships.

BLOCKED COURSES MUST BE TAKEN TOGETHER

I have applied for the EDCI 236 field experience PRIOR to registering for EDCI 232/236. The online application form can be found on the Field Experiences & Internships webpage. I understand that part of that application involves a background check with an attendant fee. This background check is good for one year.

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.

EDCI 232	Instructional Design & Educational Technology for Teaming	3	EDFN 130 & 202
EDCI 236	Middle Grade Field I	1	EDFN 130, concurrent with EDCI 232

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

I have submitted an online application for the field experience EDCI 336 with either EDCI 316 & 318. 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 30th for fall placements and September 15th 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.

EDCI 317	Teaching 21 st Cent. Young Adol. Math	3	EDFN 202, EDCI 232 concurrent w EDCI 336
EDCI 318	Teaching 21 st Cent. Young Adol. Science	3	EDFN 202, EDCI 232 concurrent w EDCI 336
EDCI 336	Middle Gr. Field II	3	EDFN 130, EDCI 232/236 concurrent with EDCI 317 & 318

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, m Slater1@ashland.edu, can assist you with applications, deadlines, costs, and preparations.)

I have applied for the EDCI 467 Student internship prior to registering for EDFN 402 /EDCI 467. As part of my application, I have developed a resume. (The Office of Field Experiences & Internships as well as the Career Development Office can assist you with this expectation.)

EDFN 402	Social & Professional Issues	2	Senior Status
EDCI 467	Middle Grades Student Internship	10	All Student Internship Requirements

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.

RELATED CONCENTRATION COURSE REQUIREMENTS

Middle Childhood (4-9)

Science and Math

SCIENCE

Course #	Title	Sem Hr	Prerequisite/Requirements	Core	Rotation
EDCI 318	Teach 21 st Cent: Science	3	EDFN, EDCI 232, concurrent with EDCI 336	Nat. Sci	SP
BIO 201 or BIO 202	Molecular. & Cellular Basis of Life Organisms, Adapt, Divers.	4 4	None None	Nat. Sci. Nat. Sci.	Many FA, 1 SP 1 FA, Many SP
GEOL 101	Physical Geology	4	None		
PHYS 201	General Physics	4	HS algebra and geometry		FA
CHEM 103	General Chemistry	4	HS chem, 3 yrs. HS math	Nat. Sci.	FA
Choose one (3-4 hrs):		3-4			
GEOL 102	Historical Geology	(4)	None		SP even
GEOL 210	Natural Disasters: Severe Weather	(3)	None	Nat Sci.	FA, SP
PHYS 107	The Hidden Life of the Stars	(3)	HS geometry & trigonometry	Nat. Sci.	FA, SP, SU
PHYS 202	General physics	(4)	PHYS 201		SP only
PHYS 320	Origins of the Universe	(3)	HS algebra and trigonometry	Nat. Sci.	Irregular offerings

26-27
hrs

MATH

Course #	Title	Sem Hr	Prerequisites/Requirements	Core	Rotation
EDCI 317	Teach 21 st Cent. Adol: Math	3	EDFN 202, EDCI 236, concurrent with EDCI 336		SP
MATH 201	Applied Calculus I	3	2 yr. HS algebra; 1 yr HS geometry	Math/Logic	FA odd yr
MATH 202	Applied Calculus II	3	MATH 201	Math/Logic	SP even yr
MATH 108	Introductory Statistics	3	MATH 100 or ACT 18 or SAT 480	Math/Logic	FA, SP
MATH 217	Theory of Arith & Geom.	3	MATH 100 or ACT 18 or SAT 480	Math/Logic	FA only
MATH 218	Geometry for Middle Gr.	3	MATH 217		SP only
MATH 223	Discrete Mathematics I	3	3 yr HS college prep math	Math/Logic	FA only
Math Elective (Choose two)		6-7			
CS 101	Logic and Comp	(3)	2 yrs hs algebra		FA
MATH 224	Discrete Mathematics II	(3)	MATH 223		SP
MATH 309	History of Math	(3)	MATH 223, 209, or 206		SP
PHYS 201	General Physics	(4)	HS algebra and geometry		FA

27-28

Additionally taking MATH 307 and MATH 450 completes a MATH Minor if MATH 224 or 309 is selected for the Math elective.

Could choose Religion 107 as Non West. History Social Studies Concentration reducing hours by 3.

B.S. in Middle Childhood (4-9) (Science and Math Concentration)

2024-2025 FOUR YEAR CURRICULUM GUIDE

DEPARTMENT OF TEACHER EDUCATION (Odd Year)

Rev. 7-16-24

Year 1 Fall Semester (Odd Yr.)			Year 1 Spring Semester (Even Yr.)		
Course #	Title	Cr.	Course #	Title	Cr.
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
READ 210	Foundations of Literacy	3	EDCI 234	Middle Grades: Philosophy, Organization & Climate	3
ENG 101	Comp I (Core 1)	3	ENG 102	Comp II (Core 3)	3
COM 101	Human Communication (Core 2)	3	CORE	Institutional Req. (Core 4: Religion)	3
MATH 201	Applied Calculus I (FA Odd)	3	MATH 202	Applied Calculus II (SP Even)	3
	TOTAL	15		TOTAL	15

Year 2 Fall Semester (Even Yr.)			Year 2 Spring Semester (Odd Yr.)		
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 232	Instructional Design & Educational Technology for Teaming	3	EDIS 250	Intro to Educational Intervention	3
EDCI 236	Middle Grades Field II (Either)	1	READ 220	Phonological Awareness/Phonics	3
GEOL 101	Physical Geology	4	CORE	Institutional Req (Core 8: CCI)	3
BIO 201	Molecular & Cellular Basis of Life (Core 5: Nat Sci)	4	BIO 202	Molecular & Cellular Basis of Life. (Core 9: Nat. Sci.)	4
MATH 217	Theory of Arith & Geom. (Core 6: Math) (FA)	3	MATH 218	Geometry for Middle Grades Teachers (SP)	3
CORE	Institutional Req. (Core 7: Aest)	3	PSYC 218	Psychology of Adolescence (Core 10: Soc. Sci.)	3
	TOTAL	18		TOTAL	19

Year 3 Fall Semester (Odd Yr.)			Year 3 Spring Semester (Even Yr.)		
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Course #	Title	Cr.	Course #	Title	Cr.
CORE	Institutional Req. (Core 11: HUM)	3	EDCI 317	Teach 21 st Cent.Adol: Math (SP)	3
Core	Institutional Req. (Core 12: Hist Reas.)	3	EDCI 318	Teach 21 st Cent. Adol: Science (SP)	3
EDCI 312	Reading & Writing Methods for Middle Grades & Secondary Students	3	EDCI 336	Middle Grades Field II	3
MATH Elec	PHYS 201-General Physics (FA) (4) or	3-4	SCI Elec.	GEOL 102 (Sp even 4 Cr), GEOL 210 (Fa, Sp 3 cr), PHYS 107 (every 3 Cr.) or PHYS 202 (Sp 4 Cr.) (Choose one)	3-4
MATH 223	Discrete Mathematics I (FA)	3	MATH Elec	MATH 224 (SP) Discrete Mathematics II (SP) or MATH 309-History of MATH (SP Odd) or CS 101-Logic & Computing (SP) (3)	3
			EDCI 392	Content Area Reading	3
	TOTAL	15-16		TOTAL	18-19

Year 4 Fall Semester (Even Yr.)

Year 4 Spring Semester (Odd Yr.)

Course #	Title	Cr.	Course #	Title	Cr.
CORE	Institutional Req. (Core 13: Aest)	3	EDFN 402	Social & Professional Issues (Either)	2
CORE	Institutional Req. (Core 14: Soc Sci)	3	EDCI 467	Student Internship: Middle Grades (Either)	10
CORE	Institutional Req. (Core 15: HUM)	3			
CHEM 103	General Chemistry (FA)	4			
MATH 108	Introductory Statistics (FA, SP)	3			
	TOTAL	16		TOTAL	12

Total Credit Hours 128-130

Notes/Reminder

