

**UNDERGRADUATE TEACHER EDUCATION**  
**Bachelor of Science in Education**  
**Initial Licensure Requirements**  
**2024-2025**

**ADOLESCENT/YOUNG ADULT LICENSURE**  
**Integrated Science**  
**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.

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Student Signature

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Advisor

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Date

Academic Plan for: \_\_\_\_\_ Student # \_\_\_\_\_ Catalog Yr. \_\_\_\_\_  
Name

## **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.](#)**

**AYA 7-12 Licensure**  
**Integrated Science 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	Student Choice	3
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 Science**  
**LICENSURE COURSES/EXPECTATIONS (CONT.)**  
**Teacher Education and Integrated Science Major Courses**

Course #	Title	Semester Hrs	Prerequisites/Requirements
EDFN 130	Intro to Teaching	3	None
EDFN 202	Teaching and Learning Process	3	EDFN 130
I have signed a “Good Moral Character” statement, and it has been submitted to the Office of Field Experiences & Internships 240 Schar. NOTE: It is distributed in EDFN 130. Offices of Field Experiences & Internships have extras			
EDIS 250	Intro. To Educ. Intervention	3	None
EDCI 392	Content Area Literacy	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 prior to enrollment in the remaining blocked courses (below)			

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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

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EDCI 232	Instructional Design and Educational Technology for Teaming	3	EDFN 130 & 202
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EDCI 230SEC	AYA (-12) Field Experience	3	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 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 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 318	Teaching 21 <sup>st</sup> Century Adol. Science	3	EDFN 202, EDCI 232, concurrent with EDCI 330SEC
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EDCI 330SEC	AYA (7-12) Field Experience	3	EDCI 230SEC & 232, PSYC 218, concurrent with EDCI 318.
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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 the application.)

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EDFN 402	Social and Professional Issues in Educ.	2	Concurrently with Student Teaching
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EDCI 461	Student Internship Grades 7-12.	10	All student Internship Requirements
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\_\_\_\_\_ I have contacted the Career Development Office to be 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 SCIENCE MAJOR COURSES

Course	Description	Credit Hrs.	Prerequisite
_____ BIO 201	Molec. & Cellular Basis of Life	4	None
_____ BIO 202	Organ. Adapt. & Divers.	4	None
_____ BIO 303	Genetics	4	BIO 201 & 6 BIO hrs.
*Choose two from:		7-8	
_____ BIO 305	Evolution	(3)	BIO 202; 303 or Concurrent
_____ BIO 310	Ecology	(4)	BIO 202
_____ BIO 325	Anatomy & Physiology I	(4)	BIO 201
_____ BIO 326	Anatomy & Physiology II	(4)	BIO 325
_____ BIO 340	Microbiology	(4)	BIO 201, CH 104
_____ BIO 411	Limnology	(4)	BIO 202
_____ BIO 424	Cell Biology	(4)	12 hrs. BIO, BIO 303
_____ BIO 428	Molecular Biology	(4)	BIO 303
_____ CHEM 103	General Chemistry I	4	H.S. Chem., 3 yrs. H.S. Math
_____ CHEM 104	General Chemistry II	4	CHEM 103
_____ CHEM 320	Quant. Analysis	4	CHEM 104
_____ CHEM/GEOL /PHYS/PHIL 350	Science as a Cultural Force	3	Any Natural Science Core Course
_____ GEOL 101	Physical Geology	4	None
_____ GEOL 102	Historical Geology	4	None
*Choose one from		3	
_____ PHYS 107	Hidden Life of the Stars	(3)	H.S. Alg. & Trig.
_____ PHYS 320	Origins of the Universe	(3)	H.S. Alg. & Trig.
General Physics Option:		19	
_____ MATH 201	Calculus with App. 1	(3)	2 yrs. H.S. Alg., 1 yr. HS Geom
_____ PHYS 320	Origins of the Universe	(3)	H.S. Alg. & Trig.
_____ PHYS 201	Gen. Physics I	(4)	H.S. Alg. & Geom.
_____ PHYS 202	Gen. Physics II	(4)	PHYS 201
_____ GEOL 311	Minerology	(4)	GEOL 101
_____ CHEM 307/307L	Org. Chem. I	(4)	CHEM 104
Or			
University Physics option:		20	
_____ MATH 205	Calculus I	(5)	MATH 111 or Equ.
_____ MATH 206	Calculus II	(5)	MATH 205
_____ PHYS 205	Univ. Physics I	(5)	MATH 206
_____ PHYS 206	Univ. Physics II	(5)	PHYS 205

Year 1	Fall Semester		Year 1	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDFN 130	Intro. to Teaching	3	EDFN 202	Teaching & Learning Process	3
CHEM 103	Gen. Chem. I (fa only, Core 1)	4	CHEM 104	Gen. Chem. II (sp only)	4
BIO 201	Molec. & Cellular Basis of Life (Core 2)	4	BIO 202	Organisms, Adap. & Divers.	4
GEOL 101	Physical Geology (fa only)	4	ENG 102	Composition II (Core 5)	3
ENG 101	Composition I (Core 4)	3	CORE/CCI*	Inst. Requirement (Core 6)	3
	<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>17</b>

Year 2	Fall Semester		Year 2	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDIS 250	Intro. to Educ. Intervention	3	EDCI 230SEC	AYA Field Experience I (sp or fa)	1
MATH 201	Calculus w. App. I (fa odd) or Inst. Requirement (Core 3)	3	EDCI 232	Instructional Design & Ed. Tech. for Teaming (sp or fa)	3
PHYS 201	Gen. Phys. I (fa only) or CHEM 320 (fa only)	4	PHYS 202	Gen. Phys. II (sp only) or BIO Elective	3-4
CORE	Inst. Requirement (Core 7) or BIO 303 Genetics or GEOL 311 Mineralogy**	3-4	GEOL 102	Hist. Geol. (sp even) or Inst. Requirement (Core 9)	3-4
CORE	Inst. Requirement (Core 8)	3	BIO 303	Genetics or Inst. Requirement (Core 7) or GEOL 311**	3-4
			CORE	Inst. Requirement (Core 10)	3
	<b>TOTAL</b>	<b>16-17</b>		<b>TOTAL</b>	<b>16-19</b>

Year 3	Fall Semester		Year 3	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CHEM 320	Quant. Analysis (fa only) or PHYS 201 (fa only)	4	EDCI 318	Teaching 21st Cent. Adolesc.: Science (sp only)	3
GEOL 311	Mineralogy** or BIO 303 or Inst. Requirement (Core 7)	3-4	EDCI 330SEC	AYA Field Experience II (sp only)	3
PHYS choice	PHYS 107 Hidden Life of Stars or PHYS 320 Origins of Universe	3	BIO	BIO Elective or PHYS 202 (sp only)	3-4
PSYC 218	Psych. of Adolesc. (Core 11)	3	CORE	Inst. Requirement (Core 13)	3
CORE	Inst. Requirement (Core 12)	3	CORE	Inst. Requirement (Core 9) or GEOL 102 Hist. Geol. (sp even)	3-4
	<b>TOTAL</b>	<b>16-17</b>		<b>TOTAL</b>	<b>15-17</b>

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 392	Content Area Reading	3	EDFN 402	Social & Prof. Issues in Educ.	2
CHEM 307/307L	Organic Chem I w. lab (fa only)	4	EDCI 461	Student Internship Gr. 7-12	10
BIO	BIO Elective	3-4			
CHEM 350	CHEM/GEOL/PHYS/PHIL 350 Sci. Cultural Force (Core 14)	3			
CORE	Inst. Requirement (Core 15)	3			
	<b>TOTAL</b>	<b>16-17</b>		<b>TOTAL</b>	<b>12</b>

**BS.Ed. in INTEGRATED SCIENCE EDUCATION** (Comprehensive Major) GENERAL PHYSICS OPTION  
 2024-25 REPRESENTATIVE FOUR YEAR CURRICULUM GUIDE  
 DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

7/2024

*\*The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.*

*\*\*GEOL 311 offered on an irregular rotation. See your academic advisor for details.*

**BS.Ed. in INTEGRATED SCIENCE EDUCATION** (Comprehensive Major) UNIVERSITY PHYSICS OPTION  
 2024-25 REPRESENTATIVE FOUR YEAR CURRICULUM GUIDE  
 DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

7/24

Year 1	Fall Semester		Year 1	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDFN 130	Intro. to Teaching	3	EDFN 202	Teaching & Learning Process	3
CHEM 103	Gen. Chem. I (fa only, Core 1)	4	CHEM 104	Gen. Chem. II (sp only)	4
BIO 201	Molec. & Cellular Basis of Life (Core 2)	4	BIO 202	Organisms, Adap. & Divers.	4
GEOL 101	Physical Geology (fa only)	4	ENG 102	Composition II (Core 4)	3
ENG 101	Composition I (Core 3)	3	CORE/CCI*	Inst. Requirement (Core 5)	3
	<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>17</b>

Year 2	Fall Semester		Year 2	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDIS 250	Intro. to Educ. Intervention	3	EDCI 230SEC	AYA Field Experience I (sp or fa)	1
MATH 205	Calculus I (fa only, Core 6)	5	EDCI 232	Instructional Design & Ed. Tech. for Teaming (sp or fa)	3
CHEM 320	Quant. Analysis (fa only) or Inst. Requirement (Core 7)	3-4	MATH 206	Calculus II (sp only)	5
BIO 303	Genetics	4	GEOL 102	Hist. Geol. (sp even) or BIO Elective	3-4
CORE	Inst. Requirement (Core 8)	3	CORE	Inst. Requirement (Core 9)	3
	<b>TOTAL</b>	<b>18-19</b>		<b>TOTAL</b>	<b>15-16</b>

Year 3	Fall Semester		Year 3	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
PHYS 205	University Physics I (fa only)	5	EDCI 318	Teaching 21st Cent. Adolesc.: Science (sp only)	3
CORE	Inst. Requirement (Core 7) or Quant. Analysis (fa only)	3-4	EDCI 330SEC	AYA Field Experience II (sp only)	3
PSYC 218	Psych. of Adolesc. (Core 10)	3	BIO choice	BIO Elective or GEOL 102 Hist. Geol. (sp even)	3-4
CORE	Inst. Requirement (Core 11)	3	PHYS 206	University Physics II (sp only)	5
CORE	Inst. Requirement (Core 12)	3	CORE	Inst. Requirement (Core 13)	3
	<b>TOTAL</b>	<b>17-18</b>		<b>TOTAL</b>	<b>17-18</b>

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 392	Content Area Reading	3	EDFN 402	Social & Prof. Issues in Educ.	2
PHYS choice	PHYS 107 Hidden Life of Stars or PHYS 320 Origins of Universe	3	EDCI 461	Student Internship Gr. 7-12	10
BIO choice	BIO Elective	3-4			
CHEM 350	CHEM/GEOL/PHYS/PHIL 350 Sci. Cultural Force (Core 14)	3			
CORE	Inst. Requirement (Core 15)	3			
	<b>TOTAL</b>	<b>15-16</b>		<b>TOTAL</b>	<b>12</b>

### 132-133 total credit hours required for degree

*\*The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester.*

Notes/Reminder