

EDUCATION - TEACHER LICENSURE

Introduction

The Hiram College Teacher Licensure Program is committed to preparing intellectually alive, socially responsible, ethically grounded educational leaders. Since the founding of Hiram College in 1850, students have joined this learning community to be prepared as teachers within the liberal arts tradition. This tradition prepares teachers to think well and with discipline. This tradition, grounded in the understanding that knowledge is interrelated and interdisciplinary, prepares teachers to be keen and critical observers of how the world works—seeing issues, alternatives, solutions, and aspects of life that more narrowly trained minds do not. These skills, combined with knowledge in a subject and in the art and science of teaching, are essential to the preparation of teachers who are ready to serve as educational leaders. The program's mission, philosophy, and standards for teacher-candidates are included in the Teacher Licensure Policies and Procedures Handbook and can be found on the program website (<https://www.hiram.edu/academics/majors-minors/education-teacher-licensure/>).

Because field and clinical experiences are seen as opportunities for students to acquire and apply knowledge, and as experiences that promote reflection, they are required in most education courses. These field and clinical experiences are developmentally sequenced and range from field trips with observations, to opportunities that require lesson planning, instruction, and evaluation of students. Students must complete this field work in a variety of communities, with students of different ages, and with culturally diverse and exceptional populations.

Based on licensure requirements and state metrics, the Education program reserves the right to limit the number of courses and/or credit hours students may transfer into the teacher licensure program. This includes coursework in the professional education core and the content area(s) selected.

The Teacher Education Program at Hiram College is nationally accredited by the Council for the Accreditation of Educator Preparation (CAEP) and approved by the Ohio Department of Higher Education to offer licensure in the following areas:

1. **P-5 License**, valid for teaching children in pre-kindergarten through grade five. Students completing the coursework required for this license graduate with an elementary education (P-5) major.
2. **Early Childhood License**: Beginning with the 2021-2022 academic year, this program is no longer accepting new students.
3. **Middle Childhood License**, valid for teaching learners in grades four through nine in the curriculum areas named in the license. The middle childhood teacher education program includes preparation in areas of concentration in two of the following: reading and language arts, mathematics, science, and social studies. Students completing the middle childhood license graduate with an integrated middle childhood education major.
4. **Adolescence to Young Adult Licenses**, valid for teaching learners in grades seven through twelve in the curriculum areas named in such license.

- Integrated Language Arts License with a major in integrated language arts

- Integrated Social Studies License with a major in integrated social studies
- Life Sciences License with a major in biology
- Life Sciences/Chemistry License with a major in science
- Physical Sciences: Chemistry and Physics License with a major in science

Course requirements for each licensure area can be found on the program website (<https://www.hiram.edu/academics/majors-minors/education-teacher-licensure/>).

A detailed description of all policies and procedures related to admission and retention in the teacher licensure program are included in the **Teacher Licensure Policies and Procedures Handbook** available on the program website (<https://www.hiram.edu/academics/majors-minors/education-teacher-licensure/>).

Note: Licensure in the state of Ohio requires satisfactory completion of the examinations and performance-based assessments mandated by the Ohio Department of Education and the Ohio Department of Higher Education. Hiram College Title II pass rates and reports on the quality of teacher education are available on the program website (<https://www.hiram.edu/academics/majors-minors/education-teacher-licensure/>).

Pathways

Elementary Education (P-5)

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____
EDUC 25300	READING/WRITING CHILD LIT:IM (or when offered during year 1 or 2) ¹	3	_____
MATH 10300	FUNDAMENTALS OF MATH I:MM	4	_____
EDUC 10200	TEACHER LICENS POLICIES/ PROCED	1	_____
Hours		12	

Fall 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	

Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
EDUC 21500	UNDERSTANDING SCIENCE (or spring 12 in year 2)	4	_____
MATH 10400	FUNDAMENTALS MATHEMATICS II:MM	4	_____
Hours		12	

Spring 3 Week

EDUC 29200	INTGRD FINE ARTS/ERLY or PERF 22900 CHLD:CM or CREATIVE DRAMATICS:CM	3	_____
Hours		3	

Second Year

Fall 12 Week

Hiram Core Requirement		4	_____
Hiram Core Requirement		4	_____
Elective		4	_____
Hours		12	

Fall 3 Week

EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	

Spring 12 Week

EDUC 24500	INTEGRAT TECH EDUC SPACES 2	1	_____
EDUC 22900	DEV APPROP PRACT:BIRTH-10:UD 2	4	_____
EDUC 23000	ELEMENTRY SCHOOL EXP AND LAB 1	1	_____
EDUC 32400	EXCEPTIONALITY:UD	3	_____
Hiram Core Requirement		3-4	_____
Hours		12-13	

Spring 3 Week

EDUC 20600	PHONICS ELEM & MIDDLE GRADES 2	3	_____
Hours		3	

Third Year

Fall 12 Week

EDUC 34000	CLASSROOM MANAGEMENT 2	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING 2	4	_____
EDUC 34300	DIAGNOSIS INTERVENTION P9 2	3	_____
EDUC 36450	LITERACY METHODS P5 ELEM 2,3	4	_____
Hours		12	

Fall 3 Week

EDUC 24600	ISS CONTENT	3	_____
Hours		3	

Spring 12 Week

EDUC 35550	SCIENCE METHODS P5 ELEM 2	4	_____
EDUC 35750	MATH METHODS P-5 ELEMENTARY 2	4	_____
EDUC 35650	SOC STUDIES METHODS P5 ELEM 2	4	_____
Hours		12	

Spring 3 Week

EDUC 36750	CONTENT TEACHING P5 ELEM 2,3	3	_____
Hours		3	

Fourth Year

Fall 12 Week

EDUC 43250	STUDENT TEACHING:P5 ELEM 2,3	10	_____
EDUC 44600	STUDENT TEACHING SEMINAR (or spring 12 in year 4) 2	1	_____
Hours		11	

Fall 3 Week

CHEM 20400	PHYSICAL SCIENCE-W/LAB:SM	4	_____
Hours		4	

Spring 12 Week

General Elective		4	_____
Hiram Core Requirement		4	_____
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
Hours		12	

Spring 3 Week

General Elective		3-4	_____
Hours		3-4	
Total Hours		121-123	

1

Required field Components

2

"Critical" to timely degree progression

3

Required clinical components

Licensure exams: See *Elementary Education (P-5) Major sheet* for required licensure exams.

Integrated Middle Childhood Education

Note: For Middle Childhood Licensure, the major is integrated middle childhood. Majors pick two content areas from language arts, mathematics, science and social studies. Due to the individual paths possible, this pathway only lists the Professional Education Core. Please refer to the Middle Childhood advising sheet and meet with an education advisor for a detailed plan.

Course	Title	Hours	Term
First Year			
Fall 12 Week			
EDUC 10200	TEACHER LICENS POLICIES/ PROCED	1	_____
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____
Content Area Course		4	_____
Content Area Course		4	_____
Hours		13	
Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	

Spring 12 Week		
UCS 20201	ADDRESSING URGENT QUESTIONS	4 _____
EDUC 32400	EXCEPTIONALITY:UD	3 _____
Content Area Course		4 _____
Hours		11
Spring 3 Week		
Content Area Course		4 _____
Hours		4
Second Year		
Fall 12 Week		
EDUC 36100	TEACHING RDG IN CONTENT AREA ²	3 _____
Content Area Course		4 _____
Content Area Course		4 _____
Hours		11
Fall 3 Week		
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4 _____
Hours		4
Spring 12 Week		
EDUC 23100	HUMAN GROWTH/DEVELOP/ LRNG:UD ²	4 _____
EDUC 23400	MID CHILD SCHOOL EXP/LAB ^{1,2}	1 _____
EDUC 24500	INTEGRAT TECH EDUC SPACES ²	1 _____
Hiram Core Requirement		4 _____
Elective or Core Requirement		1-3 _____
Hours		11-13
Spring 3 Week		
EDUC 20600	PHONICS ELEM & MIDDLE GRADES ²	3 _____
Hours		3
Third Year		
Fall 12 Week		
EDUC 34000	CLASSROOM MANAGEMENT ²	1 _____
EDUC 34200	ASSESSMENT FOR LEARNING ²	4 _____
EDUC 3XXXX	Methods for First Area ^{2,3}	2 _____
EDUC 37800	GENERAL METHODS ²	2 _____
EDUC 37900	MID GRADES PHILOSOPHY & ORGZN (or fall 12 of year 4)	2 _____
EDUC 34300	DIAGNOSIS INTERVENTION P9 ²	3 _____
Hours		14
Fall 3 Week		
Content Area Course		3-4 _____
Hours		3-4
Spring 12 Week		
EDUC 25400	TEACHING READING/ADOL LIT:IM	3 _____
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4 _____

Content Area Course	4 _____
Hours	11

Spring 3 Week	
Content Area Course	4 _____
Hours	4

Fourth Year		
Fall 12 Week		
EDUC 3XXXX	Methods for Second Area ^{2,3}	2 _____
Content Area Course	4 _____	
Content Area Course	4 _____	
Hours	10	

Fall 3 Week	
Content Area Course	3-4 _____
Hours	3-4

Spring 12 Week		
EDUC 43300	STUDENT TCHG:MIDDLE CHILDHOOD ^{2,3}	10 _____
EDUC 44600	STUDENT TEACHING SEMINAR ²	1 _____
Elective		1-3 _____
Hours		12-14

Spring 3 Week	
Hiram Core Requirement	4 _____
Hours	4

Total Hours	121-127
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- 1 Required field components
- 2 "Critical" to timely degree progression
- 3 Required clinical components

Curriculum Content
(candidates must complete two of the following areas of concentration):

Code	Title	Hours
Social Studies		
ECON 20100	PRIN OF MICROECONOMICS:MM	4
EDUC 24600	ISS CONTENT	3
HIST 12800	WORLD HISTORY 1000-1800:CA,EW	4
HIST 14000	US HISTORY TO 1865:CA,UD	4
POLS 20500	POLITICAL GEOGRAPHY:CA	3
SOCI 15500	INTRODUCTION TO SOCIOLOGY:CA	4
Language Arts		
COMM 23700	MEDIA LAW & ETHICS:ES	3
ENGL 10600	TELLING STORIES:READING LIT:IM	4
ENGL 35000	AMERICAN LIT I:CA,UD	4
or ENGL 35100	AMERICAN LITERATURE II:IM	
ENGL 35900	WORLD LITERATURE:EW,IM	4
WRIT 20500	STYLE/GRAMMAR FOR WRITERS:CM	3
WRIT 31300	TEACHING/SUPERVISING WRIT:CM	4
Math		
MATH 10300	FUNDAMENTALS OF MATH I:MM	4

MATH 10400	FUNDAMENTALS MATHEMATICS II:MM	4
MATH 10800	STATISTICS:MM	4
MATH 13200	METHODS OF DECISION MAKING:MM	3
MATH 19800	CALCULUS I:MM	4
MATH 21700	DISCRETE MATHEMATICS	4
Science		
BIOL 15100	INTRO BIOL I W/LAB: SM	4
BIOL 15200	INTRO BIO II W/LAB:SM	4
CHEM 10100	CHEM IN CONTEXT-W/LAB:SM	4
CHEM 20400	PHYSICAL SCIENCE-W/LAB:SM	4
EDUC 21500	UNDERSTANDING SCIENCE	4
EDUC 21600	EARTH & SPACE SCIENCE	3
The following two courses are recommended, but not required: 0-8		
EDUC 20500	ENVIRONMENTAL EDUCATION (Recommended)	
EVST 10100	INTRO TO SOCIO-ENV STUDIES:ES (Recommended)	

Note: Transition Points must be met in order to be admitted to Methods in year 3 or 4.

Licensure exams: See Middle Childhood Major sheet for required licensure exams.

Integrated Language Arts

Note: For Integrated Language Arts Licensure, the major is integrated language arts. Please refer to the Integrated Language Arts advising sheet and meet with an education advisor for a detailed plan.

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____
EDUC 10200	TEACHER LICENS POLICIES/PROCED	1	_____
ENGL 10600	TELLING STORIES:READING LIT:IM	4	_____
Hiram Core Requirement		4	_____
Hours		13	
Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	
Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
ENGL 35000	AMERICAN LIT I:CA,UD	4	_____
or ENGL 35100	or AMERICAN LITERATURE II:IM		
EDUC 32400	EXCEPTIONALITY:UD	3	_____
Hours		11	
Spring 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	

Second Year

Fall 12 Week

Hiram Core Requirement		4	_____
WRIT 31300	TEACHING/SUPERVISING WRIT:CM	4	_____
ENGL xxxxx Program approved ENGL elective		4	_____
Hours		12	

Fall 3 Week

COMM 23700	MEDIA LAW & ETHICS:ES	3	_____
Hours		3	

Spring 12 Week

EDUC 23100	HUMAN GROWTH/DEVELOP/LRNG:UD ²	4	_____
EDUC 23500	ADOLESCENT SCHOOL EXP AND LAB ^{1,2}	1	_____
EDUC 24500	INTEGRAT TECH EDUC SPACES ²	1	_____
ENGL 35100	AMERICAN LITERATURE II:IM (in even years)	4	_____
Elective		1-3	_____
Hours		11-13	

Spring 3 Week

Select one of the following Performing Arts electives:		3	_____
PERF 12010	FUNDAMNTL PRNCPLS OF ACTING:CM		_____
PERF 20910	SHAKESPEARE IN PERFORMANCE:CM		_____
PERF 26100	SHAKESPEARE:IM		_____
Hours		3	

Third Year

Fall 12 Week

EDUC 34000	CLASSROOM MANAGEMENT (or fall 12 of year 4) ²	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING (or fall 12 of year 4) ²	4	_____
EDUC 38500	METHODS ADOLESCENT LANG ARTS (or fall 12 of year 4) ^{2,3}	2	_____
EDUC 37200	LITERACY ACROSS CONTENT AREA (or fall 12 of year 4) ²	3	_____
EDUC 37800	GENERAL METHODS ²	2	_____
Hours		12	

Fall 3 Week

WRIT 22100	BASICS OF CREATIVE WRITING:CM	3	_____
Hours		3	

Spring 12 Week

UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
EDUC 25400	TEACHING READING/ADOL LIT:IM	3	_____
Select one of the following British Literature electives:		4	_____
ENGL 35300	MEDIEVAL LITERATURE:IM,CA		_____

ENGL 35400	RENAISSANCE LITERATURE:CA,IM	_____
ENGL 35500	18TH CENTURY BRIT LIT:CA,IM	_____
ENGL 35600	19TH CENTURY BRIT LIT:CA,IM	_____
ENGL 35700	20TH CENTURY BRIT LIT:CA,IM	_____
Hours		11
Spring 3 Week		
WRIT 20500	STYLE/GRAMMAR FOR WRITERS:CM	3 _____
Hours		3
Fourth Year		
Fall 12 Week		
ENGL 35900	WORLD LITERATURE:EW,IM	4 _____
Hours		4
ENGL 25200	ENGL LANG:LINGUISTIC or ENGL 25500 INTRO:CA or HOW WE TALK:DIALECTOLOGY:MM	3 _____
Elective		4 _____
Hours		11
Fall 3 Week		
Elective		3-4 _____
Hours		3-4
Spring 12 Week		
EDUC 43800	STUDENT TEACHG:ADOL/ YOUNG ADLT ^{2,3}	10 _____
EDUC 44600	STUDENT TEACHING SEMINAR ²	1 _____
Elective		1-3 _____
Hours		12-14
Spring 3 Week		
Elective		3 _____
Hours		3
Total Hours		118-123

- 1 Required field components
- 2 "Critical" to timely degree progression
- 3 Required clinical components

Note: Transition Points must be met in order to be admitted to Methods in year 3 or 4.

Licensure exams: See Integrated Language Arts Major sheet for required licensure exams.

Integrated Social Studies

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____

EDUC 10200	TEACHER LICENS POLICIES/ PROCED	1	_____
Hiram Core Requirement		4	_____
ISS Content Course		4	_____
Hours		13	
Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	
Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
EDUC 32400	EXCEPTIONALITY:UD	3	_____
ISS Content Course		4	_____
Hours		11	
Spring 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	
Second Year			
Fall 12 Week			
ISS Content Course		4	_____
ISS Content Course		4	_____
Hiram Core Requirement		3	_____
Hours		11	
Fall 3 Week			
ISS Content Course		4	_____
Hours		4	
Spring 12 Week			
EDUC 23100	HUMAN GROWTH/DEVELOP/ LRNG:UD ²	4	_____
EDUC 23500	ADOLESCENT SCHOOL EXP AND LAB ^{1,2}	1	_____
EDUC 24500	INTEGRAT TECH EDUC SPACES (or spring 12 in year 3) ²	1	_____
ISS Content Course		4	_____
Hours		10	
Spring 3 Week			
Elective		3-4	_____
Hours		3-4	
Third Year			
Fall 12 Week			
EDUC 34000	CLASSROOM MANAGEMENT (or fall 12 in year 4) ²	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING (or fall 12 in year 4) ²	4	_____
EDUC 37200	LITERACY ACROSS CONTENT AREA (or fall 12 in year 4) ²	3	_____
EDUC 37800	GENERAL METHODS ²	2	_____
EDUC 40400	INTEGRATED SOC STUDIES SEMINAR (or fall 12 in year 4) ^{2,3}	2	_____
Hours		12	

Fall 3 Week			
ISS Content Course		4	_____
Hours		4	
Spring 12 Week			
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
ISS Content Course		4	_____
ISS Content Course		4	_____
Hours		12	
Spring 3 Week			
ISS Content Course		3	_____
Hours		3	
Fourth Year			
Fall 12 Week			
EDUC 43800	STUDENT TEACHG:ADOL/ YOUNG ADLT (or spring 12 in year 4) ^{2,3}	10	_____
EDUC 44600	STUDENT TEACHING SEMINAR (or spring 12 in year 4) ²	1	_____
Hours		11	
Fall 3 Week			
ISS Content Course		4	_____
Hours		4	
Spring 12 Week			
ISS Content Course		4	_____
Hiram Core Requirement		4	_____
Hiram Core Requirement or Elective		4	_____
Hours		12	
Spring 3 Week			
ISS Content Course		4	_____
Hours		4	
Total Hours		121-122	

1
Required field components

2
"Critical" to timely degree progression

3
Required clinical components

Licensure exams: See Integrated Social Studies - Adolescent Young Adult (7-12) sheet for required licensure exams. These exams are required for the license, but not for the major.

Life Sciences (Grades 7-12)

Note: Life Sciences Licensure students earn a major in biology. Please refer to the biology major pathway for scheduling those courses and meet with advisors in both biology and education.

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____

EDUC 10200	TEACHER LICENS POLICIES/ PROCED	1	_____
Content Course		3-4	_____
Core Requirement		4	_____
Hours		12-13	

Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	

Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
EDUC 32400	EXCEPTIONALITY:UD	3	_____
Content Course		3-4	_____
Hours		10-11	

Spring 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	

Second Year			
Fall 12 Week			
Content Course		4	_____
Content Course		4	_____
Hiram Core Requirement		4	_____
Hours		12	

Fall 3 Week			
Content Course		4	_____
Hours		4	

Spring 12 Week			
EDUC 23100	HUMAN GROWTH/DEVELOP/ LRNG:UD ²	4	_____
EDUC 23500	ADOLESCENT SCHOOL EXP AND LAB ^{1,2}	1	_____
EDUC 24500	INTEGRAT TECH EDUC SPACES ²	1	_____
Content Course		3-4	_____
Hours		9-10	

Spring 3 Week			
Hiram Core Requirement		3-4	_____
Hours		3-4	

Third Year			
Fall 12 Week			
EDUC 34000	CLASSROOM MANAGEMENT ²	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING ²	4	_____
EDUC 37200	LITERACY ACROSS CONTENT AREA ²	3	_____
EDUC 37800	GENERAL METHODS ²	2	_____
EDUC 38400	METHODS FOR TEACHING SCIENCE ^{2,3}	2	_____
Hours		12	

Fall 3 Week			
Content Course		3-4	_____
Hours		3-4	

Spring 12 Week			
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
Content Course		3-4	_____
Content Course		3-4	_____
Elective or Core if needed		3-4	_____
Hours		13-16	
Spring 3 Week			
Content Course		3-4	_____
Hours		3-4	
Spring			
Verify on track for 120 minimum credits to graduate. May need summer or additional course work to have 120 credits.		5-0	_____
Hours		5-0	
Fourth Year			
Fall 12 Week			
EDUC 43800	STUDENT TEACHG:ADOL/YOUNG ADLT ^{2,3}	10	_____
EDUC 44600	STUDENT TEACHING SEMINAR ²	1	_____
Hours		11	
Fall 3 Week			
Content Course		3-4	_____
Hours		3-4	
Spring 12 Week			
Content Course		3-4	_____
Content Course		3-4	_____
Elective		3-4	_____
Hours		9-12	
Spring 3 Week			
Elective		3-4	_____
Hours		3-4	
Total Hours		119-128	

- 1
Required field components
- 2
"Critical" to timely degree progression
- 3
Required clinical components

Licensure exams: See Life Sciences major sheet for required licensure exams.

Life Sciences/Chemistry (Grades 7-12)

Note: Life Sciences/Chemistry Licensure students earn a major in science. Please meet with advisors in both chemistry or biology and education.

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____

EDUC 10200	TEACHER LICENS POLICIES/PROCED	1	_____
BIOL 15100	INTRO BIOL I W/LAB: SM ²	4	_____
CHEM 12000	GEN I:STRUCTURE/BOND-W/LAB:SM ²	4	_____
Hours		13	

Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	

Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
BIOL 15200	INTRO BIO II W/LAB:SM ²	4	_____
CHEM 12100	GEN II:INTR CHEM ANLS-W/LAB:SM ¹	4	_____
Hours		12	

Spring 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	

Second Year			
Fall 12 Week			
MATH 19800	CALCULUS I:MM ²	4	_____
PHYS 21300	FUNMNTLS OF PHYSICS-W/LAB I:SM ²	4	_____
CHEM 22000	INTRO TO ORGANIC CHEM-W/LAB ²	4	_____
Hours		12	

Fall 3 Week			
Hiram Core Requirement		3-4	_____
Hours		3-4	

Spring 12 Week			
EDUC 23100	HUMAN GROWTH/DEVELOP/LRNG:UD ²	4	_____
EDUC 23500	ADOLESCENT SCHOOL EXP AND LAB ^{1,2}	1	_____
EDUC 24500	INTEGRAT TECH EDUC SPACES ²	1	_____
MATH 19900	CALCULUS II:MM	4	_____
Hiram Core Requirement (if possible)		3-4	_____
Hours		13-14	

Spring 3 Week			
CHEM 24000	QUANTITATIVE ANALYSIS-W/LAB ²	4	_____
Hours		4	

Third Year			
Fall 12 Week			
BIOL 13100 or BIOL 32600	ANATOMY/PHYSIOLOGY I:W/LAB ² or ANIMAL PHYSIOLOGY-W/LAB	4	_____
EDUC 37200	LITERACY ACROSS CONTENT AREA ²	3	_____

BCHM 36600	BASIC BIOCHEMISTRY-W/LAB ²	4	_____
BIOL 27800	ECOLOGY-W/LAB:SM	4	_____
Hours		15	
Fall 3 Week			
Hiram Core Requirement		3	_____
Hours		3	
Spring 12 Week			
EDUC 32400	EXCEPTIONALITY:UD	3	_____
BIOL 36500	GENETICS-W/LAB ²	4	_____
CHEM 32000	INTERMED ORGANIC CHEM-W/ LAB	4	_____
Hours		11	
Spring 3 Week			
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
Hours		4	
Fourth Year			
Fall 12 Week			
EDUC 34000	CLASSROOM MANAGEMENT ²	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING ²	4	_____
EDUC 37800	GENERAL METHODS	2	_____
EDUC 38400	METHODS FOR TEACHING SCIENCE ^{2,3}	2	_____
BIOL 23000	MOLECULAR&CELLULAR BIOL- W/LAB ²	4	_____
Hours		13	
Fall 3 Week			
Elective		3-4	_____
Hours		3-4	
Spring 12 Week			
EDUC 43800	STUDENT TEACHG:ADOL/ YOUNG ADLT ^{2,3}	10	_____
EDUC 44600	STUDENT TEACHING SEMINAR ²	1	_____
Hours		11	
Spring 3 Week			
Elective		3-4	_____
Hours		3-4	
Total Hours		127-131	

1

Required field components

2

"Critical" to timely degree progression

3

Required clinical components

Licensure exams: See Life Sciences/Chemistry Major sheet for required licensure exams.

Physical Sciences: Chemistry and Physics (Grades 7-12)

Note: Physical Sciences (Chemistry and Physics) Licensure students earn a major in science. Please meet with advisors in both chemistry or physics and education.

Course	Title	Hours	Term
First Year			
Fall 12 Week			
UCS 10101	FIRST-YEAR ENDURING QUESTIONS	4	_____
EDUC 10200	TEACHER LICENS POLICIES/ PROCED	1	_____
CHEM 12000	GEN I:STRUCTURE/BOND-W/ LAB:SM ²	4	_____
Core Requirement		3-4	_____
Hours		12-13	
Fall 3 Week			
EDUC 12000	PERSONAL COMM HEALTH P12:ES	3	_____
Hours		3	
Spring 12 Week			
UCS 20201	ADDRESSING URGENT QUESTIONS	4	_____
CHEM 12100	GEN II:INTR CHEM ANLS-W/ LAB:SM ²	4	_____
Core Requirement		4	_____
Hours		12	
Spring 3 Week			
EDUC 15000	EDUC CULTURE & SOCIETY:CA,UD	4	_____
Hours		4	
Second Year			
Fall 12 Week			
MATH 19800	CALCULUS I:MM ²	4	_____
PHYS 21300	FUNMNTLS OF PHYSICS-W/LAB I:SM ²	4	_____
CHEM 22000	INTRO TO ORGANIC CHEM-W/ LAB ²	4	_____
Hours		12	
Fall 3 Week			
Elective		3-4	_____
Hours		3-4	
Spring 12 Week			
EDUC 23100	HUMAN GROWTH/DEVELOP/ LRNG:UD ²	4	_____
EDUC 23500	ADOLESCENT SCHOOL EXP AND LAB ^{1,2}	1	_____
EDUC 24500	INTEGRAT TECH EDUC SPACES ²	1	_____
MATH 19900	CALCULUS II:MM ²	4	_____
Hours		10	
Spring 3 Week			
CHEM 24000	QUANTITATIVE ANALYSIS-W/ LAB ²	4	_____
Hours		4	
Third Year			
Fall 12 Week			
MATH 20000	CALCULUS III:MM ²	4	_____

EDUC 37200	LITERACY ACROSS CONTENT AREA ²	3	_____
CHEM 35000	PHYSICAL CHEMISTRY I-W/LAB ²	4	_____
BCHM 36600	BASIC BIOCHEMISTRY-W/LAB	4	_____
Hours		15	
Fall 3 Week			
Elective		3-4	_____
Hours		3-4	
Spring 12 Week			
EDUC 32400	EXCEPTIONALITY:UD	3	_____
PHYS 21400	FUNMNTL OF PHYSICS-W/LAB II:SM ²	4	_____
CHEM 32000	INTERMED ORGANIC CHEM-W/LAB	4	_____
Hours		11	
Spring 3 Week			
PHYS 20200	INTRO TO ASTRONOMY-W/LAB:SM	4	_____
Hours		4	
Fourth Year			
Fall 12 Week			
EDUC 34000	CLASSROOM MANAGEMENT ²	1	_____
EDUC 34200	ASSESSMENT FOR LEARNING ²	4	_____
EDUC 38400	METHODS FOR TEACHING SCIENCE ^{2,3}	2	_____
EDUC 37800	GENERAL METHODS ²	2	_____
PHYS 32000	FUNMNTLS OF MRDN PHYSICS-W/LAB ²	4	_____
Hours		13	
Fall 3 Week			
Hiram Core Requirement		3	_____
Hours		3	
Spring 12 Week			
EDUC 43800	STUDENT TEACHG:ADOL/YOUNG ADLT ^{2,3}	10	_____
EDUC 44600	STUDENT TEACHING SEMINAR ²	1	_____
Hours		11	
Spring 3 Week			
UCS 30301	URGENT CHALLENGE SEMINAR:TT	4	_____
Hours		4	
Total Hours		124-127	

1

Required field components

2

"Critical" to timely degree progression

3

Required clinical components

Licensure exams: See Physical Sciences (Chemistry/Physics) Major sheet for required licensure exams.