

Courses that are CAPITALIZED are considered “critical” to timely degree progression.

NOTE: Life Science/Chemistry Licensure students earn a major in Science. Please meet with advisors in both Chemistry or Biology and Education.

Course ID	Course Title	Credit hours	Core Requirement	Important Notes	Term Taken
Year One: Fall 12 week (12 credit hours)					
FYEN	First Year Enduring Questions	4			
EDUC 10200	Teacher Licensure Policies and Procedures	1		Or first avail in year 1 or 2	
BIOL 15100	INTRODUCTORY BIOLOGY I	4			
CHEM 12000	GEN I: STRUCTURE and BONDING	4			
Year One: Fall 3 week (3-4 credit hours)					
EDUC 12000	Personal and Community Health Issues P-12	3		Or first avail in year 1 or 2	
Year One: Spring 12 week (12 credit hours)					
FY	First Year Urgent Questions	4			
BIOL 15200	INTRODUCTORY BIOLOGY II	4			
CHEM 12100	INTRO TO CHEMICAL ANALYSIS	4			
Year One: Spring 3 week (3-4 credit hours)					
EDUC 15000	Education, Culture, and Society	4	CA, UD	Or first avail in year 1 or 2	
Year Two: Fall 12 week (12 credit hours)					
MATH 19800	CALCULUS I	4			
PHYS 21300	FUNDAMENTALS OF PHYSICS I	4			
CHEM 22000	INTRODUCTION to ORGANIC CHEMISTRY	4			
Year Two: Fall 3 week (3-4 credit hours)					
	Core Elective	3-4	CM, IM, EW	Or any open slot	
Year Two: Spring 12 week (12 credit hours)					
EDUC 23100	HUMAN GROWTH & DEVELOPMENT & LEARNING THEORY	4	UD		
EDUC 23500	ADOLESCENT SCHOOL EXPERIENCE & LAB	2			
EDUC 24500	INTEGRATING TECHNOLOGY INTO EDUC	1			
MATH 19900	CALCULUS II	4			
	Core Elective (if possible)	3-4	CM, IM, EW	Or any open slot	
Year Two: Spring 3 week (3-4 credit hours)					
CHEM 24000	QUANTITATIVE ANALYSIS	4			
Year Three: Fall 12 week (12 credit hours)					
BIOL 13100 or BIOL 32600	HUMAN ANATOMY AND PHYSIOLOGY or ANIMAL PHYSIOLOGY	4			
EDUC 37200	LITERACY ACROSS THE CONTENT AREAS	3			
BCHM 36600	BASIC BIOCHEMISTRY	4			
BIOL 27800	Ecology	4			
Year Three: Fall 3 week (3-4 credit hours)					
	Core Elective	3	CM, IM, EW	Or any open Fall 3-week	
Year Three: Spring 12 week (12 credit hours)					
EDUC 32400	Exceptionality	3	UD		
BIOL 36500	GENETICS	4			
CHEM 32000	Intermediate Organic Chemistry	4			
Year Three: Spring 3 week (3-4 credit hours)					
INTD xxxxx	Urgent Challenge Interdisciplinary (team-taught)	3-4		Or any open slot	

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Course ID	Course Title	Credit hours	Core Requirement	Important Notes	Term Taken
Year Four: Fall 12 week (12 credit hours)					
EDUC 34000	CLASSROOM MANAGEMENT	1			
EDUC 34200	ASSESSMENT FOR LEARNING	4			
EDUC 38400	METHODS FOR TEACHING SCIENCE	4			
BIOL 23000	MOLECULAR AND CELLULAR BIOLOGY	4			
Year Four: Fall 3 week (3-4 credit hours)					
	Elective	3-4			
Year Four: Spring 12 week (12 credit hours)					
EDUC 43800	Student Teaching: AYA	10			
EDUC 44600	Student Teaching Seminar	1			
Year Four: Spring 3 week (3-4 credit hours)					
	Elective	3-4			

Minimum Total Program Hours	Minimum Required Major GPA	Minimum Required Cumulative GPA
120	3.0	3.0

Hiram Core: Ways of Knowing Category	Qualifying Course(s) in Program	Fulfilled or Required	Term Taken
Creative Methods (CM)		Required	
Interpretive Methods (IM)		Required	
Modeling Methods (MM)	MATH 19800 or MATH 19900	Fulfilled by major	
Scientific Methods (SM)	BIOL 15200	Fulfilled by major	
Social and Cultural Analysis (CA)	EDUC 15000	Fulfilled by major	
Experiencing the World (EW)		Required	
Understanding Diversity (UD)	EDUC 23100	Fulfilled by major	
Meaning, Ethics and Social Responsibility (ES)	EDUC 12000	Fulfilled by major	
Urgent Challenge Interdisciplinary (team-taught)		Required	

IMPORTANT NOTES FOR MAJORS

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

PATHWAY NOTE: This is a recommended Major Pathway; individual pathways may vary. Advisor consultation is a vital part of timely graduation.