

Effective for
Fall 2024
Updated
8/2/2024

School of Education and Human Services (SOEHS) Bachelor of Science in Education (BSE)

Middle and High School Natural Science Grades 4 to 12



Name:

Student ID:

Date:

The following **bolded** courses are required for admission to the the Teacher Education Program:

Quest 1- 1st Semester

COMM 111: Intro to Public Speaking (C or higher)
WRT 188 (or ENG 101/WRT 110) (B or higher)

Quest 2- 2nd Semester

Mathematics *per placement, may require developmental math first*
MATH 104: College Algebra (C or higher) 3 credits
MATH 106: Trigonometry (C or higher) 2 credits
OR Math 108: Algebra+Trig or Math 171: Calc 1 5 credits

Quest 3- 3rd or 4th Semester

The remaining courses fulfill University Studies Program (USP) requirements

Culture (XC) from at least 2 different departments
(XC) Course _____
(XC) Course _____
(XC) Course _____

Lab Science (XL) and Environmental Requirement--completed with required courses in the Major

Society (XS) 9 Credits
EDU 235: Child and Adolescent Develop(Previously Elem/Sec Ed 235) OR Psych 391 (Not USP)
EDU 110: Education Policy: Truth and Myths*
One additional (XS) Course _____
*EDU 201 CAPP Course fulfills the Major requirement for EDU 110 but is not an (XS) Society Course.

Global Citizenship (GC)
Course _____
May double count with (XC) or (XS) course

Ethnic Studies (ES)
This will be met with Human Relation Hours in other education courses- no other course needed

Advanced Writing
Course _____
WRT 288 (after Quest 3) WRT 287 (45 cr earned; Quest 3 not required) or WRT 310 (Honors)

SECONDARY EDUCATION CORE COURSE
Special Ed 252/352 Children with Disabilities in General Education

BACHELOR OF SCIENCE IN EDUCATION (BSE)

Middle and High School Science: Minor in _____ Grades 4 to 12

BIOLOGY Courses: Choose one 200 level Biology; Both 230 and 231 required for minor				
SEMESTER	Course Number	Course Name	Prerequisites/Notes	Credits
	BIOLOGY 105	Biological Concepts and Unity (XL)	Must do; pre-req to others	4
	BIOLOGY 230	Biology of Animals (XL)	Biology 105 with a C or better	4
	BIOLOGY 231	Biology of Plants and Microbes (XL)	Biology 105 with a C or better	4

CHEMISTRY Courses: Both required				
SEMESTER	Course Number	Course Name	Prerequisites/Notes	Credits
	CHEMISTRY 105	General Chemistry I (XL)	Concurrent enrollment in Math 104 or placement above	5
	CHEMISTRY 106	General Chemistry II (XL)	C OR Better in Chem 105	5

EARTH SCIENCE: CHOOSE 2 COURSES IN ONE DEPARTMENT				
SEMESTER	Course Number	Course Name	Prerequisites/Notes	Credits
	GEOLOGY 150 OR 102 OR 110H	Environmental Geology (XL) OR Earth: Dynamic Planet (XL) OR Honors: Geology (XL)	Students can only receive credit for one of these courses; 150 is required in minor	4 5
	GEOLOGY 109 OR 112	Evolution of the Earth OR Dinosaurs	Geology 102, 110 or 150; 109 part of minor	3
	GEOGRAPHY 121	Physical Geography I Weather and Climate (XL)		4
	GEOGRAPHY 221	Physical Geography II Landforms and Soils (XL)	<i>Not required in Earth Science Minor</i>	4

PHYSICS COURSES: CHOOSE 1 PAIR; FIRST COURSE IS IN FALL AND SECOND IS IN SPRING				
SEMESTER	Course Number	Course Name	Prerequisites/Notes	Credits
	PHYSICS 171 & 172	College Physics I & II (XL)	Math 106 or 108 or placement beyond <i>Ideally this is done in the 2nd year</i>	5+5=10
	PHYSICS 191 & 192 <i>(Physics Minors)</i>	University Physics I (XL) University Physics II (XL)	Concurrent Registration in or completion of Math 171 Concurrent Registration in or completion of Math 172	5+5=10

CHOOSE A MINOR				
SEMESTER	BIOLOGY 24 CREDITS	CHEMISTRY 22 CREDITS	EARTH SCIENCE 33 CREDITS	PHYSICS 23 CREDITS
	BIOLOGY 105 & 230 OR 231 are completed above	CHEMISTRY 105 & 106 are completed above	GEOLOGY 109 & 150 are completed above	PHYS/AST 191& 192 are completed above
	BIOLOGY 230 OR 231 (4)	CHEMISTRY 234 & 235 (4)	GEOLOGY 205 (4) & 309 (3) <i>Fall only courses</i>	Math 172 (4): Co-req for Phys 192; not part of minor
	BIOLOGY 323 (3)	CHEMISTRY 334 & 335 (4)	GEOLOGY 206 (4) & 328 (3) <i>Spring only courses</i>	PHYS/AST 206 Introductory Modern Physics (3)
	BIOLOGY 349 (3)	CHEMISTRY 311 (4)	GEOLOGY 320 (3) or 335 (3) <i>Fall even years; irregularly offered</i>	ELECTIVE 1
	ELECTIVE 1 (3)		Physics 103 (4)	ELECTIVE 2
	ELECTIVE 2 (3)		Geography 121 (4)	

BACHELOR OF SCIENCE IN EDUCATION (BSE)

Middle and High School Science: Minor in _____ Grades 4 to 12

Core Education Courses, Methods and Clinicals **Completed After Admission**

Sem	Course Number	Course Name	Prerequisites/Notes	Credits
	LIT & LANG 435	Adolescent Literacy Methods	FALL ONLY: <i>Ideal time is 3rd/JR year</i>	4
	EDU 344	Secondary Methods & Management for Diverse Classrooms	FALL ONLY; Concurrent w/ LIT & LANG 435 Pre-req to EDU 334	3
	EDU 345	Clinical 1	FALL ONLY; Concurrent w/EDU 344	1
	EDU 334	Methods of Teaching Science	SPRING ONLY; Concurrent with EDU 358	3
	EDU 358	Clinical (Spring only; concurrent W/ Sec Ed 334)	Students must plan for a two-hour block of time each day. The clinical experience is a school-based field experience that meets the same class period each day.	3
	EDU 432	Middle School Education	EDU (Elem/Sec Ed) 235	3
	ED LDRSHP 406	Foundations of Multicultural Education	75 Credits	3
	ED LDRSHP 408	Foundations of American Education	75 Credits	3

Content Assessment must be completed to be eligible for student teaching.

A 3.0 overall and in content areas OR Praxis II content exam OR Praxis II Content/portfolio required for licensure.

See Advisement Report on TitanWeb for details. Contact your advisor with questions.

Student Teaching- Attend Student Teaching meeting two semesters before Student Teaching to obtain application and information
 Deadline to apply: Spring Semester is May 1 Fall placement is Dec 1

SEM	Course Number	Course Name	Prerequisites/Notes
	2 Placements (1 semester)	See Advisement Report	All coursework must be completed <u>prior</u> to student teaching
	Seminar	See Advisement Report	All coursework must be completed <u>prior</u> to student teaching

CONTACT INFORMATION for School of Education and Human Services

Teacher Education Program application	(920) 424-0115	soehsugrad@uwosh.edu
Student Teaching	(920) 424-0465	studentteaching@uwosh.edu

Sample Natural Science Education Academic Plan

Biology Minor

FIRST YEAR

FALL SEMESTER (16 CREDITS)

QUEST I	Ed. Policy: Truths/Myths (XS)	3 cr
COMM 111	Intro to Public Speaking	3 cr
BIO 105	Bio Concepts - Unity (XL)	4 cr
MATH 108	Pre-Calculus (XM)	5 cr
ACAD 125	Learning Strategies	1 cr

SPRING SEMESTER (18 CREDITS)

QUEST II	Explore Course (XC)	3 cr
WRT 188	First-Year College Writing	3 cr
BIO 230	Biology of Animals (XL)	4 cr
EDU 235	Child and Ad. Dev. (XS)	3 cr
CHEM 105	General Chemistry I (XL)	5 cr

SECOND YEAR

FALL SEMESTER (16 CREDITS)

QUEST III	Explore Course (XS)	3 cr
CHEM 106	General Chemistry II (XL)	5 cr
PHYS 171	College Physics I (XL)	5 cr
SPEC ED 352	Stud. w/ Dis. in Gen. Ed.	3 cr

SPRING SEMESTER (15 CREDITS)

WRT 288	Advanced Writing (XK)	3 cr
Culture	Explore Course (XC)	3 cr
PHYS 172	College Physics II (XL)	5 cr
BIO 231	Bio of Plants/Microbes (XL)	4 cr

THIRD YEAR

FALL SEMESTER (15 CREDITS)

LIT 435	Adolescent Lit Methods	4 cr
EDU 344	Secondary Methods	3 cr
EDU 345	Clinical 1	1 cr
BIO 323	Molecular/Cell Biology	3 cr
GEOG 121	Weather and Climate (XL)	4 cr

SPRING SEMESTER (16 CREDITS)

EDU 334	Methods of Teach. Science	3 cr
EDU 358	Clinical-Science	3 cr
BIO 349	Ecology and Evolution	3 cr
GEOG 221	Landforms and Soils (XL)	4 cr
Culture	Explore Course (XC)	3 cr

FOURTH YEAR

FALL SEMESTER (15 CREDITS)

ED LDP 406	Found of Multi. Ed.	3 cr
ED LDP 408	Found of Am. Ed	3 cr
BIO 3XX	Biology Elective	3 cr
BIO 3XX	Biology Elective	3 cr
EDU 432	Middle School Education	3 cr

SPRING SEMESTER (STUDENT TEACHING)

EDU 400	Student Teaching	12 cr
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Explore courses are general education requirements (USP). They include 2 Lab Sciences (XL), 3 Culture (XC), 3 Society (XS), 1 Ethnic Studies (ES) and 1 Global Citizenship (GC)

IMPORTANT: Please note that this plan is based on students who place into college level math via the UW System Math Placement Test. Course selections will be different based on placement results. This is a sample schedule that is not intended to substitute for academic advising. For information about other options, students are strongly encouraged to consult with an academic advisor. This course plan assumes student meets all course prerequisites and program requirements to progress in the degree and major (ie: GPA, etc). **Students should regularly check their Advisement Report in TitanWeb for their official graduation requirements.**

Sample Natural Science Education Academic Plan

Chemistry Minor

FIRST YEAR

FALL SEMESTER			SPRING SEMESTER		
(16 CREDITS)			(15 CREDITS)		
QUEST I	Ed. Policy: Truths/Myths (XS)	3 cr	QUEST II	Explore Course (XC)	3 cr
COMM 111	Intro to Public Speaking	3 cr	WRT 188	First-Year College Writing	3 cr
CHEM 105	General Chemistry I (XL)	5 cr	CHEM 106	General Chemistry II (XL)	5 cr
MATH 108	Pre-Calculus (XM)	5 cr	EDU 235	Child and Ad. Dev. (XS)	3 cr
			ACAD 125	Learning Strategies	1 cr

SECOND YEAR

FALL SEMESTER			SPRING SEMESTER		
(16 CREDITS)			(15 CREDITS)		
QUEST III	Explore Course (XS)	3 cr	WRT 288	Advanced Writing (XK)	3 cr
CHEM 234	Org Chem Lab I	1 cr	CHEM 334	Org Chem Lab II	1 cr
CHEM 235	Organic Chemistry I	3 cr	CHEM 335	Organic Chemistry Lab II	3 cr
PHYS 171	College Physics I (XL)	5 cr	PHYS 172	College Physics II (XL)	5 cr
SPEC ED 252	Stud. w/ Dis. in Gen. Ed.	3 cr	Culture	Explore Course (XC)	3 cr

THIRD YEAR

FALL SEMESTER			SPRING SEMESTER		
(16 CREDITS)			(14 CREDITS)		
LIT 435	Adolescent Lit Methods	4 cr	EDU 334	Methods of Teach. Science	3 cr
EDU 344	Secondary Methods	3 cr	EDU 358	Clinical-Science	3 cr
EDU 345	Clinical 1	1 cr	GEOG 221	Landforms and Soils (XL)	4 cr
GEOG 121	Weather and Climate (XL)	4 cr	BIO 105	Bio Concepts - Unity (XL)	4 cr
CHEM 311	Analytical Chemistry I	4 cr			

FOURTH YEAR

FALL SEMESTER			SPRING SEMESTER (STUDENT TEACHING)		
(16 CREDITS)					
EDU 432	Middle School Education	3 cr	EDU 400	Student Teaching	12 cr
ED LDP 406	Found of Multi. Ed.	3 cr			
ED LDP 408	Found of Am. Ed	3 cr			
BIO 230	Biology of Animals	4 cr			
Culture	Explore Course (XC)	3 cr			

Explore courses are general education requirements (USP). They include 2 Lab Sciences (XL), 3 Culture (XC), 3 Society (XS), 1 Ethnic Studies (ES) and 1 Global Citizenship (GC)

IMPORTANT: Please note that this plan is based on students who place into college level math via the UW System Math Placement Test. Course selections will be different based on placement results. This is a sample schedule that is not intended to substitute for academic advising. For information about other options, students are strongly encouraged to consult with an academic advisor. This course plan assumes student meets all course prerequisites and program requirements to progress in the degree and major (ie: GPA, etc). **Students should regularly check their Advisement Report in TitanWeb for their official graduation requirements.**

Sample Natural Science Education Academic Plan

Earth Science Minor

FIRST YEAR

FALL SEMESTER (15 CREDITS)

QUEST I	Ed. Policy: Truths/Myths (XS)	3 cr
COMM 111	Intro to Public Speaking	3 cr
GEOL 150	Environmental Geology (XL)	4 cr
MATH 108	Pre-Calculus (XM)	5 cr

SPRING SEMESTER (16 CREDITS)

QUEST II	Explore Course (XC)	3 cr
WRT 188	First-Year College Writing	3 cr
CHEM 105	General Chemistry I (XL)	5 cr
EDU 235	Child and Ad. Dev. (XS)	3 cr
ACAD 125	Learning Strategies	1 cr

SECOND YEAR

FALL SEMESTER (15 CREDITS)

QUEST III	Explore Course (XS)	3 cr
CHEM 106	General Chemistry II (XL)	5 cr
GEOL 205	Mineralogy (XL)	4 cr
SPEC ED 252	Stud. w/ Dis. in Gen. Ed.	3 cr

SPRING SEMESTER (15 CREDITS)

WRT 288	Advanced Writing (XK)	3 cr
GEOL 109	Evolution of the Earth (XL)	4 cr
GEOL 206	Lithology	4 cr
Culture	Explore Course (XC)	3 cr

THIRD YEAR

FALL SEMESTER (16 CREDITS)

PHYS 171	College Physics I (XL)	5 cr
BIO 105	Bio Concepts - Unity (XL)	4 cr
GEOL 309	Bringing Fossils to Life	4 cr
Culture	Explore Course (XC)	3 cr

SPRING SEMESTER (17 CREDITS)

PHYS 172	College Physics II (XL)	5 cr
BIO 230	Biology of Animals (XL)	4 cr
GEOL 328	Oceanography and Climate	3 cr
PHYS 103	The Solar System (XL)	4 cr

FOURTH YEAR

FALL SEMESTER (17 CREDITS)

ED LDP 406	Found of Multi. Ed.	3 cr
LIT 435	Adolescent Lit Methods	4 cr
EDU 344	Secondary Methods	3 cr
EDU 345	Clinical 1	1 cr
EDU 432	Middle School Education	3 cr

SPRING SEMESTER (13 CREDITS)

ED LDP 408	Found of Am. Ed	3 cr
EDU 334	Methods of Teach. Science	3 cr
EDU 358	Clinical	3 cr
GEOG 121	Weather and Climate (XL)	4 cr

FIFTH YEAR

FALL SEMESTER (STUDENT TEACHING)

EDU 400	Student Teaching	12 cr
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Explore courses are general education requirements (USP). They include 2 Lab Sciences (XL), 3 Culture (XC), 3 Society (XS), 1 Ethnic Studies (ES) and 1 Global Citizenship (GC)

IMPORTANT: Please note that this plan is based on students who place into college level math via the UW System Math Placement Test. Course selections will be different based on placement results. This is a sample schedule that is not intended to substitute for academic advising. For information about other options, students are strongly encouraged to consult with an academic advisor. This course plan assumes student meets all course prerequisites and program requirements to progress in the degree and major (ie: GPA, etc). **Students should regularly check their Advisement Report in TitanWeb for their official graduation requirements.**

Sample Natural Science Education Academic Plan

Physics Minor

FIRST YEAR

FALL SEMESTER (16 CREDITS)

QUEST I	Ed. Policy: Truths/Myths (XS)	3 cr
COMM 111	Intro to Public Speaking	3 cr
BIO 105	Bio Concepts - Unity (XL)	4 cr
MATH 171	Calculus I (XM)	5 cr
ACAD 125	Learning Strategies	1 cr

SPRING SEMESTER (15 CREDITS)

QUEST II	Explore Course (XC)	3 cr
WRT 188	First-Year College Writing	3 cr
BIO 230	Biology of Animals (XL)	4 cr
MATH 172	Calculus II (XM)	5 cr

SECOND YEAR

FALL SEMESTER (16 CREDITS)

QUEST III	Explore Course (XS)	3 cr
CHEM 105	General Chemistry I (XL)	5 cr
PHYS 171	College Physics I (XL)	5 cr
EDU 235	Child and Adol. Dev. (XS)	3 cr

SPRING SEMESTER (16 CREDITS)

WRT 288	Advanced Writing (XK)	3 cr
CHEM 106	General Chemistry II (XL)	5 cr
PHYS 172	College Physics II (XL)	5 cr
SPEC ED 252	Stud. w/ Dis. in Gen. Ed.	3 cr

THIRD YEAR

FALL SEMESTER (15 CREDITS)

LIT 435	Adolescent Lit Methods	4 cr
EDU 344	Secondary Methods	3 cr
EDU 345	Clinical 1	1 cr
PHYS 206	Intro Modern Physics	3 cr
GEOG 121	Weather and Climate (XL)	4 cr

SPRING SEMESTER (16 CREDITS)

EDU 334	Methods of Teach. Science	3 cr
EDU 358	Clinical	3 cr
PHYS Elect	Physics Elective	3 cr
GEOG 221	Landforms and Soils (XL)	4 cr
Culture	Explore Course (XC)	3 cr

FOURTH YEAR

FALL SEMESTER (15 CREDITS)

EDU 432	Middle School Education	3 cr
ED LDP 406	Found of Multi. Ed.	3 cr
ED LDP 408	Found of Am. Ed	3 cr
Culture	Explore Course (XC)	3 cr
PHYS Elect	Physics Elective	3 cr

SPRING SEMESTER (STUDENT TEACHING)

EDU 400	Student Teaching	12 cr
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Explore courses are general education requirements (USP). They include 2 Lab Sciences (XL), 3 Culture (XC), 3 Society (XS), 1 Ethnic Studies (ES) and 1 Global Citizenship (GC)

IMPORTANT: Please note that this plan is based on students who place into college level math via the UW System Math Placement Test. Course selections will be different based on placement results. This is a sample schedule that is not intended to substitute for academic advising. For information about other options, students are strongly encouraged to consult with an academic advisor. This course plan assumes student meets all course prerequisites and program requirements to progress in the degree and major (ie: GPA, etc). **Students should regularly check their Advisement Report in TitanWeb for their official graduation requirements.**



Teacher Education Program Admission

1. ALL students will earn a **Bachelor of Science in Education (BSE)** degree.
2. The School of Education and Human Services is a professional college and has admission requirements.
3. Admission to Teacher Education Program can be met through STANDARD or DIRECT admission processes.
4. Some courses **require** admission prior to enrollment.

STANDARD ADMISSION REQUIREMENTS

- | | |
|---|---|
| 1. 2.75 minimum combined GPA | 5. Negative or Latent Tuberculosis Test |
| 2. 26+ credits completed | 6. Minimum Grades in the following courses: |
| 3. Licensure Area (Major) declared | 1) "C" or better in Public Speaking |
| 4. Successful Criminal Background Check | 2) "C" or better in math (XM) course |
| | 3) "B" or better in writing course |

If the benchmarks above are all met, you will be guaranteed admission to the Teacher Education Program

DIRECT ADMISSION REQUIREMENTS

- | | |
|--|---|
| 1. For First-Year or Transfer students only | 4. Successful Criminal Background Check |
| 2. High School or Transfer combined GPA minimum of 3.25 | 5. Negative or Latent Tuberculosis Test |
| 3. MUST be completed prior to, or during, first semester on campus | |

If the benchmarks above are all met, you will be guaranteed admission to the Teacher Education Program

CRIMINAL BACKGROUND CHECK

1. MUST be a DCF background check via the iChildCare portal
2. Requires Fingerprint scan
3. Background checks CANNOT be refunded

Contact soeshugrad@uwosh.edu with questions!

TUBERCULOSIS TEST

1. MUST be completed within the last 12 months of application to COEHS
2. Can be administered by physician, pharmacy, or UWO Student Health Center

To schedule at UWO: Call (920) 424-2424

Content Assessment must be completed to be eligible for student teaching.

A 3.0 overall and in content areas OR Praxis II content exam OR Praxis II Content/portfolio required for licensure.

Student Teaching- Attend Student Teaching meeting two semesters before Student Teaching to obtain application and information

Deadline to apply:

Spring Semester is May 1

Fall placement is Dec 1

All Coursework must be completed prior to student teaching.