

SECONDARY SCIENCE EDUCATION (BS)

1. The candidate will demonstrate discipline content knowledge, pedagogical and professional knowledge, and skills/dispositions needed to educate all learners through field and practicum experiences.
2. The candidate will demonstrate and use formal and informal assessment strategies to evaluate and ensure the continuous development of the diverse learner.
3. The candidate will be a reflective thinker who continually evaluates the effects of his/her choices and actions on others and who seeks opportunities to serve the community and grow professionally.
4. The candidate will demonstrate knowledge and sensitivity of global cultures/ethnicities, and an awareness of diverse learning styles, with a focus on Ochethi Sakowin culture and language.
5. The candidate will demonstrate the ability to integrate tools of instructional and assistive technology into teaching and professional practice.

Code	Title	Hours
General Education Requirements		
ENGL 110	Composition I	3
ENGL 120	Composition II	3
COMM 110	Fundamentals of Public Speaking	3
MATH 103	College Algebra	4
MATH 107	Precalculus	5
MATH 210	Elementary Statistics	3
NAS 101 or NAS 103	Ochethi Sakowin Language for Beginners Introduction to Ochethi Sakowin Language, Culture & History	3
<i>Humanities/Social & Behavioral Science Elective</i>		
Select any courses from Native American Studies or Lakhotiyapi/Dakhotiyapi (100/200 level) but any humanities or social & behavioral science course is allowed		3
PSYC 100	First Year Learning Experience	3
SOC 120	Transitions-Graduation & Beyond	2
CSCI 101	Introduction to Computers	3
PSYC 111	Introduction to Psychology	3
<i>Health/Physical Education</i>		
Select two one-hour courses or any one two-hour course		2
Secondary Science Education Core Requirements		
EED 250	Introduction to Education	2
EED 254	Classroom Management	3
EED 256	Foundations of Education	3
EED 260	Educational Psychology	3
EED 298	Pre-Professional Experience	1
EED 301	Integrating Technology into the Classroom	2
EED 350	Curriculum Planning, Delivery, & Assessment	2
EED 447	Multicultural Education	3
EED 495	Teaching Reading in the Content Area	2
EED 498	Senior Capstone	1
PSYC 250	Developmental Psychology	4
SED 390	School Science Safety	2

SED 400	Methods & Materials of Secondary Science Education	4
SED 497	Student Teaching in the Secondary School	12
SPD 200	Exceptional Child	3

Core Requirements

Biology

BIOL 150	General Biology I	4
BIOL 151	General Biology II	4
BIOL 224 or ENS 113	General Ecology Introduction to Environmental Science	4
Biology Electives 300/400 Level		12

Chemistry

CHEM 115	Introduction to Chemistry	4
Chemistry Electives 300/400 Level		8

Geology

GEOL 100	Earth Science	4
Geology Electives		8

Physics

Select one of the following:		4
PHYS 102	Physical Science	
PHYS 211	College Physics I	
PHYS 110	Astronomy	

Total Hours		139
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