

Fort Hays State University – Double Major: Bachelor of Science in Biology and Secondary Education (125 Credit Hours) FALL 2024

General Education Program (34-35 hours; starting Fall 2023)

<u>Course No.</u>	<u>Course Title</u>	<u>Hrs.</u>	<u>Grade</u>
English (6 hours)			
ENG 101	English Composition I	3	_____
ENG 102	English Composition II**	3	_____
Communication (3 hours)			
COMM 100	Fundamentals of Oral Communication**	3	_____
Math and Stats (3 hours)			
MATH 105	College Algebra with Review	3	_____
MATH 110	College Algebra*	3	_____
MATH 234	Analytic Geometry and Calculus I	3	_____
MATH 331	Calculus Methods	3	_____
Arts and Humanities (6 hours; 2 areas recommended)			
Aesthetic			
ART 180	Fundamentals and Appreciation of Art	3	_____
ART 201	Survey of Art History I	3	_____
MUS 161	Listening to Music	3	_____
THTR 120	Introduction to Theatre	3	_____
Historical			
HIST 110	World Civilization to 1500	3	_____
HIST 111	Modern World Civilization	3	_____
HIST 130	United States History to 1877	3	_____
HIST 131	United States History since 1877	3	_____
Philosophical			
PHIL 120	Introduction to Philosophy	3	_____
PHIL 170	World Religions	3	_____
PHIL 340	Ethics	3	_____
Natural and Physical Sciences (4 hours; 1 course w/Lab)			
BIOL 180	Principles of Biology*	3	_____
BIOL 180L	Principles of Biology Lab*	1	_____

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Social and Behavioral Sciences (6 hours; 2 areas recommended)

Social Science Requirement (choose 1 course)

TEEL 231	Human Growth and Development* ¹	3	_____
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Engaged Global Citizens Requirement (choose 1 course)

GSCI 110	World Geography	3	_____
POLS 105	Current Political Issues	3	_____
SOC 333	Global Forces in a Changing World	3	_____
TECS 391	Technology in Society	3	_____

Institutionally Designated Area (6 hours; 2 areas recommended)

Critical Thinking

PHIL 100	Critical Thinking	3	_____
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Personal and Professional Development

FIN 205	Theory and Practice of Personal Finance	3	_____
GSCI 240	Introduction to Geographic Info Systems	3	_____
HHP 200	Personal Wellness	3	_____
INF 101	Introduction to Computer Information Systems	3	_____
MIL 302	Soldier Health and Fitness	3	_____

*Counts towards General Education and the Biology major.

**Education majors need a B or better.

Other courses may fulfill the requirements. The recommendations listed here are for Biology and Education majors. Please check with your faculty mentor or professional advisor for other course options.

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Biology Core (42 Hours)

Required:

BIOL 180/180L	Principles of Biology/Lab*	4	_____	F S
BIOL 230/230L	Anatomy and Physiology I/Lab	4	_____	F S
BIOL 231/231L	Anatomy and Physiology II/Lab	4	_____	F S
BIOL 235	Early Field Experience	1	_____	F S
BIOL 250/250L	Botany/Lab	4	_____	F S
BIOL 260/260L	Zoology/Lab	4	_____	F S
BIOL 325/325L	Genetics/Lab	4	_____	F S
BIOL 490/490L	General Microbiology/ Lab	4	_____	F S
BIOL 499	Global Environmental Issues	3	_____	F S
BIOL 420	Evolution	3	_____	F
BIOL 395/395L	Ecology	4	_____	S
BIOL 3XX or above	Upper-division elective	3	_____	F S

*Counts towards General Education and the Biology major.

1. Discipline Writing Course Graduation Requirement (3 hours)

BIOL 442	Scientific Communication	3	_____	F
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2. Required Science Cognates (22 Hours)

Chemistry

CHEM 120/120L	University Chemistry I/ Lab	5	_____	F
CHEM 122/122L	University Chemistry II/ Lab	5	_____	S
CHEM 480	Laboratory Safety	1	_____	S

Mathematics

MATH 110	College Algebra*	3	_____	F S
STAT200	Statistics	3	_____	F S

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Physics

PHYS 111/111L	Physics I/Lab	5	_____	F
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3. Required Education Courses (33 Hours)

Required:

TEEL 202	Foundations of Education ¹	3	_____	F S
TEEL 231	Human Growth and Development* ¹	3	_____	F S
TESP 302	Educating Students with Exceptionalities ¹	3	_____	F S
TECS 301	Introduction to Instructional Technology ¹	3	_____	F S
TEEL 431	Educational Psychology ²	3	_____	F S
TESS 494	Secondary School Experience ²	4	_____	F S
TESS 406	Science Teaching Methods	2	_____	S
TESS 496	Directed Teaching- Secondary ²	11	_____	F S
TEEL 675	Student Teaching Portfolio ²	1	_____	F S

¹Taken before admission to teacher education program.

²Taken after admission to teacher education program.

*Counts towards General Education and the Education major.

F = Fall Offering, S = Spring Offering