



Natural Resources Management - Wildlife Biology and Fisheries Biology - AS

Semester-by-Semester Pathway

This degree pathway is outlined as a 2 year degree to transfer. This is a suggested semester by semester list of courses based on the average student load. Consult with your advisor for more information. Not all courses are offered each semester.

- (**▶**) are Systemwide Transfer Courses
- (\bigstar) are recommended for this degree pathway.

	Semester 1						
Complete	Course ID	Course Title	Credit Hours	Notes			
	Systemwide General Education Framework						
	English Options (SGE) 010			6 credits required.			
	Mathematics Options (SGE) 030		3.00	3 credits required.			
	Social & Behavioral Sciences Options (SGE) 050			6 credits required from two disciplines.			
	Institutional Options (SGE) 070			6 credits required.			
	Additional Pathway Electives						
	All Electives		4.00				
		Semester Total:	14.00				

	Semester 2					
Complete	Course ID	Course Title	Credit Hours	Notes		
	Systemwide General Education Framework					
	English Options (SGE) 010			6 credits required.		
	Communication Options (SGE) 020			3 credits required.		
	Arts and Humanities Options (SGE) ⁰⁶⁰			6 credits required from two disciplines.		
	Additional Pathway Electives					
	CH106	Chemistry II Ţ▶	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.		
		Semester Total:	14.00			

	Semester 3					
Complete	Course ID	Course Title	Credit Hours	Notes		
		Systemwide General Educ	ation Framew	ork		
	Natural & Ph	ysical Science Lab Options (SGE) ⁰⁴⁰	5.00	4-5 credits required including a lab.		
	Social & Beh	avioral Sciences Options (SGE) ⁰⁵⁰	3.00	6 credits required from two disciplines.		
		Additional Pathway	Electives			
	CH108 Principles of Organic and Biochemistry Ţ▶			Fall Prereq: CH105 Chemistry I, or Departmental Consent.		
	All Electives		3.00			
	•	Semester Total:	16.00			

Complete	Course ID	Course Title	Credit Hours	Notes
		Systemwide General Educ	ation Framew	ork
	Arts and Hun	nanities Options (SGE) ⁰⁶⁰	3.00	6 credits required from two disciplines.
	Institutional (Options (SGE) ⁰⁷⁰	5.00	6 credits required.
		Additional Pathway	Electives	
	AG204	Range Management	3.00	Spring, Summer
	PY112	General Physics I T▶	5.00	Fall, Spring Prereq: MA106 College Algebra or higher math.
		Semester Total:	16.00	

Total Credits: 60.00

^{*}A minimum of 60 hours is required to earn a HutchCC AA, AS, or AFA degree; however additional credit hours may be outlined on the transfer pathway to meet the program requirements for a 4-year institution.

^{**34-35} credit hours fulfill the Systemwide General Education Framework.

^{***}Semester offerings reflect the current academic year.

	English Options (SGE) ⁰¹⁰					
Course ID	Course Title	Credit Hours	Notes			
EN100	English Composition IB Ţ▶	3.00	Fall, Spring, Summer Prereq: EN098 Intro to College Writing with a grade of C or higher, or Accuplacer Next Generation Writing Score of 240 to 254, or HS GPA over 2.25, or ACT English Score of 17 to 19.			
EN101	English Composition IA T▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG Writing Score of 255 or Above, or ACT English Score of 20 or above.			
EN102	English Composition II T	3.00	Fall, Spring, Summer Prereq: EN101 English Composition IA with a grade of C or higher, or EN101H English Comp IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.			

Communication Options (SGE) 020				
Course ID	Course Title	Credit Hours	Notes	
SH101	Public Speaking T ▶	3.00	Fall, Spring, Summer	
SH210	Interpersonal Communication T	3.00	Fall, Spring, Summer	

	Mathematics Options (SGE) 030				
Course ID	Course Title	Credit Hours	Notes		
★ MA106	College Algebra Ţ⊾	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.5, or ACT Math Score of 21 or higher, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above.		
MA107	Plane Trigonometry T ▶	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36.		
MA108	Elements of Statistics Ţ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.5, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 21 or higher.		
MA110	Calculus Ţ≽	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.		
MA111	Analytical Geometry and Calculus I →	5.00	Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or ACT Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.		
MA117	Contemporary Math T▶	3.00	Prereq: HS GPA over 3.5, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 21 or higher.		

	Natural & Physical Science Lab Options (SGE) 040				
Course ID	Course Title	Credit Hours	Notes		
BI101	General Biology Ţ▶	4.00	Fall, Spring, Summer		
BI103	Human Anatomy and Physiology Ţ▶	6.00	Fall, Spring, Summer Prereq: Bl100 or Bl101 or Bl104 or Bl105 or Bl112 w/Grade of C.		
★ BI104	Biology I T▶	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.		
BI105	Biology II T▶	5.00	Spring Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I.		
BI107	Human Anatomy and Physiology I Ţ▶	4.00	Fall, Spring		
BI108	Human Anatomy and Physiology II ⊤	4.00	Spring Prereq: BI107 Human Anatomy and Physiology I.		
BI112	General Microbiology T▶	4.00	Fall, Spring, Summer Prereq: (BI101,BI103,BI104,BI105)BI107 is not a valid prereq code.		
CH101	General Chemistry Ţ►	5.00	Fall, Spring, Summer		
CH105	Chemistry I Ţ▶	5.00	Fall, Spring Prereq: ACT Math Score of 21 or higher, or MA105 or higher math, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above, or Accuplacer Math Score of 81+.		

CH106	Chemistry II T ▶	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.
CH108	Principles of Organic and Biochemistry T	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
PY103	Physical Geology T▶	3.00	Fall, Spring, Summer
PY104L	Physical Geology Lab Ţ▶	1.00	Fall, Spring, Summer
PY110	Physical Science Ţ▶	5.00	Fall, Spring
PY112	General Physics I T▶	5.00	Fall, Spring Prereq: MA106 College Algebra or higher math.
PY113	General Physics II T▶	5.00	Spring Prereq: PY112 Gen Physics I.
PY201	Engineering Physics I Ţ▶	5.00	Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.
PY202	Engineering Physics II Ţ▶	5.00	Spring Prereq: PY201 Eng Phys I with grade of C or better.

	Social & Behavioral Sciences Options (SGE) 050				
Course ID	Course Title	Credit Hours	Notes		
EC100	Macroeconomics Ţ▶	3.00	Fall, Spring, Summer		
EC101	Microeconomics T▶	3.00	Fall, Spring, Summer		
GE101	World Geography T▶	3.00	Fall, Spring, Summer		
GO100	American Government Ţ▶	3.00	Fall, Spring, Summer		
GO101	State and Local Government T	3.00	Fall		
GO102	International Relations T	3.00	Fall, Spring		
GO110	Introduction to Political Science T	3.00	Fall, Spring		
GO132	Comparative Politics Ţ▶	3.00	Fall		
LE101	Introduction to Criminal Justice T	3.00	Fall, Spring		
LE205	Criminal Law Ţ▶	3.00	Fall		
PS100	General Psychology T▶	3.00	Fall, Spring, Summer		
PS101	Human Relations	3.00	Fall, Spring, Summer		
PS102	Human Growth and Development T▶	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.		
PS201	Psychology of Personality	3.00	Fall, Spring Prereq: PS100 General Psychology with grade of C or higher.		
PS202	Abnormal Psychology	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.		
SO100	Fundamentals of Sociology T ▶	3.00	Fall, Spring, Summer		
SO101	Marriage and Family Ţ▶	3.00	Fall, Spring, Summer		
SO106	Introduction to Women's Studies Ţ▶	3.00	Fall, Spring, Summer		
SO111	Cultural Anthropology T ▶	3.00	Fall, Spring, Summer		
SO113	Cultural Diversity Ţ▶	3.00	Fall, Spring		
SO122	Introduction to Social Work Ţ▶	3.00	Fall		
SO201	Social Problems Ţ▶	3.00	Fall, Spring, Summer Prereq: SO100 Fundamentals of Sociology.		

	Arts and Humanities Options (SGE) 060				
Course ID	Course Title	Credit Hours	Notes		
AR101	Art Appreciation Ţ▶	3.00	Fall, Spring, Summer		
AR104	Art History: Paleolithic to Medieval →	3.00	Fall		
AR105	Art History: Renaissance to Modern →	3.00	Spring		
AR106	Art in the Elementary Classroom Ţ▶	3.00	Fall, Spring		
EN120	Children's Literature Ţ►	3.00	Fall, Spring		

EN121	World Mythology	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN128	Introduction to Creative Writing Ţ▶	3.00	Fall, Spring
EN201	Introduction to Literature Ţ▶	3.00	Fall, Spring, Summer Prereq: EN100 English Comp IB with a grade of C or higher, or EN101 English Composition IA with a grade of C or higher.
EN202	British Literature I	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN203	British Literature II	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN204	American Literature I T	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN205	American Literature II T▶	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN207	Introduction to Shakespeare	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN214	Introduction to Cultural Studies: Fairy Tales	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN215	Medieval Literature in Contemporary Society	3.00	Prereq: EN100 or EN101 or EN103 with a grade of C or higher.
EN217	Podcast Fiction	3.00	Fall, Spring Prereq: EN100 English Comp IB, or EN101 English Composition IA.
HI101	American History 1492-1865 T ▶	3.00	Fall, Spring, Summer
HI102	American History 1865-Present T▶	3.00	Fall, Spring, Summer
HI103	World History to 1600 Ţ▶	3.00	Fall, Spring, Summer
HI104	World History Since 1600 T▶	3.00	Fall, Spring, Summer
HI112	Western Civilization to 1500	3.00	Fall
HI113	Western Civilization 1500-Present	3.00	Spring
HI122	Film History of World War II	3.00	Spring
HI122L	Film History of World War II Lab	0.00	Spring
HI201	Topics in History	3.00	
JL101	Introduction to Mass Communications T	3.00	Fall, Spring, Summer
MU101	Music Appreciation T▶	3.00	Fall, Spring, Summer
MU106	Music Theory I T▶	3.00	Fall
MU107	Music Theory II T▶	3.00	Spring Prereq: MU106 Music Theory I.
MU127	Introduction To Jazz/Jazz Rock	3.00	Fall, Spring
MU201	Music in the Elementary Classroom T▶	3.00	
MU206	Music Theory III	3.00	Fall Prereq: MU107 Music Theory II.
MU207	Music Theory IV	3.00	Spring Prereq: MU206 Music Theory III.
PL101	Introduction to Philosophy T▶	3.00	Fall, Spring, Summer
PL103	Logic and Critical Thinking T▶	3.00	Fall, Spring
PL104	Ethics T▶	3.00	Fall, Spring, Summer
PL105	Death and Dying	3.00	Fall, Spring, Summer
RE101	New Testament Literature T▶	3.00	Spring
RE102	Old Testament Literature T►	3.00	Fall
RE106	Introduction to World Religions Ţ▶	3.00	Spring
SH101	Public Speaking T▶	3.00	Fall, Spring, Summer
SH122	Voice and Diction T▶	3.00	Fall
SH210	Interpersonal Communication Ţ▶	3.00	Fall, Spring, Summer
SP101	Elementary Spanish I T▶	5.00	Fall, Spring, Summer

SP102	Elementary Spanish II T▶	5.00	Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II.	
SP105	Elementary Spanish III T	5.00	Spring Prereq: SP102 Spanish II.	
TH115	Theatre Appreciation T▶	3.00	Fall, Spring	
TH122	Voice and Diction T▶	3.00	Fall	

	Institutional Options (SGE) 070					
Course ID	Course Title	Credit Hours	Notes			
AR101	Art Appreciation T▶	3.00	Fall, Spring, Summer			
AR104	Art History: Paleolithic to Medieval →	3.00	Fall			
AR105	Art History: Renaissance to Modern Ţ▶	3.00	Spring			
AR106	Art in the Elementary Classroom ႃ▶	3.00	Fall, Spring			
AR110	Drawing I T	3.00	Fall, Spring			
AR122	2-D Design T▶	3.00	Fall			
AR123	3-D Design T▶	3.00	Spring			
BI101	General Biology T▶	4.00	Fall, Spring, Summer			
BI102	Ecology of Environmental Problems T▶	3.00	Fall, Spring			
BI103	Human Anatomy and Physiology T▶	6.00	Fall, Spring, Summer Prereq: BI100 or BI101 or BI104 or BI105 or BI112 w/Grade of C.			
BI104	Biology I T▶	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.			
★ BI105	Biology II T▶	5.00	Spring Prereq: BI101 General Biology, or Departmental Consent, or BI104 Biology I.			
BI107	Human Anatomy and Physiology I T▶	4.00	Fall, Spring			
BI108	Human Anatomy and Physiology II Ţ▶	4.00	Spring Prereq: BI107 Human Anatomy and Physiology I.			
BI112	General Microbiology T▶	4.00	Fall, Spring, Summer Prereq: (BI101,BI103,BI104,BI105)BI107 is not a valid prereq code.			
BU101	Accounting I Ţ►	3.00	Fall, Spring, Summer			
BU102	Accounting II T	3.00	Fall, Spring, Summer Prereq: BU101 Accounting I with a grade of C or better, or BU101H Honors Accounting I with a Grade of C or Higher, or BA101 Accounting I with a grade of C or better.			
BU105	Introduction to Business Ţ▶	3.00	Fall, Spring, Summer			
BU107	Personal Finance T	3.00	Fall, Spring, Summer			
BU109	Business Communications Ţ▶	3.00	Fall, Spring, Summer			
BU118	Introduction to Leadership T▶	3.00	Fall, Spring			
BU201	Managerial Accounting T▶	3.00	Fall, Spring, Summer Prereq: BU102 with a C or higher or BA102 with a C or higher.			
BU202	Marketing Ţ▶	3.00	Fall, Spring			
BU203	Management T ▶	3.00	Fall, Spring, Summer			
BU205	Business Law I Ţ▶	3.00	Fall, Spring			
CC101	Introduction to Early Childhood Education T▶	3.00	Fall, Spring			
CC105	Infant and Toddler Development →	3.00	Fall			
CH101	General Chemistry Ţ▶	5.00	Fall, Spring, Summer			
★ CH105	Chemistry I T▶	5.00	Fall, Spring Prereq: ACT Math Score of 21 or higher, or MA105 or higher math, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above, or Accuplacer Math Score of 81+.			
CH106	Chemistry II T▶	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.			
CH108	Principles of Organic and Biochemistry Ţ▶	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.			
EC100	Macroeconomics T ►	3.00	Fall, Spring, Summer			

EC101	Microeconomics Ţ▶	3.00	Fall, Spring, Summer	
	·		Fall Spring	
ED201	Introduction to Education	3.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.	
ED201L	Introduction to Education Practicum Ţ▶	1.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.	
ED205	Educating Exceptional Students T	3.00	Fall, Spring Prereq: ED201 Introduction to Education with a grade of C or higher.	
ED206	Technology for Teachers Ţ▶	3.00		
ED207	Elementary School PE & Health →	3.00		
EN120	Children's Literature Ţ▶	3.00	Fall, Spring	
EN128	Introduction to Creative Writing →	3.00	Fall, Spring	
EN201	Introduction to Literature ⊤▶	3.00	Fall, Spring, Summer Prereq: EN100 English Comp IB with a grade of C or higher, or EN10 English Composition IA with a grade of C or higher.	
EN204	American Literature I T▶	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.	
EN205	American Literature II T▶	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.	
GE101	World Geography T▶	3.00	Fall, Spring, Summer	
GO100	American Government Ţ▶	3.00	Fall, Spring, Summer	
GO101	State and Local Government Ţ▶	3.00	Fall	
GO102	International Relations Ţ►	3.00	Fall, Spring	
GO110	Introduction to Political Science →	3.00	Fall, Spring	
GO132	Comparative Politics Ţ▶	3.00	Fall	
HE202	Nutrition T	3.00	Fall, Spring, Summer	
HI101	American History 1492-1865 T▶	3.00	Fall, Spring, Summer	
HI102	American History 1865-Present T▶	3.00	Fall, Spring, Summer	
HI103	World History to 1600 T▶	+	Fall, Spring, Summer	
HI104	World History Since 1600 Ţ▶	+	Fall, Spring, Summer	
HR105	Medical Terminology T		Fall, Spring, Summer	
IS104	Microcomputer Applications Ţ▶	_	Fall, Spring, Summer	
JL101	Introduction to Mass Communications T		Fall, Spring, Summer	
LE101	Introduction to Criminal Justice		Fall, Spring	
LE205	Criminal Law T		Fall	
MA106	College Algebra Ţ▶	3.00	Fall, Spring, Summer	
MA107	Plane Trigonometry T▶	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36.	
MA108	Elements of Statistics Ţ▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.5, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 21 or higher.	
MA110	Calculus T ▶	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.	
MA111	Analytical Geometry and Calculus I ⊤	5.00	Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or ACT Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.	
MA117	Contemporary Math T▶	3.00	Prereq: HS GPA over 3.5, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above, or ACT Math Score of 21 or higher.	
MU101	Music Appreciation Ţ▶	3.00	Fall, Spring, Summer	
MU106	Music Theory I T▶	3.00	, 1 O	
MU107	Music Theory II Ţ▶	3.00	Spring Prereg: MU106 Music Theory I.	
MU201	Music in the Elementary Classroom Ţ►	3.00		
PE105	Personal and Community Health →	3.00	Fall, Spring, Summer	
PE106	First Aid and CPR T▶		Fall, Spring	
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PE185	Exercise Physiology T		Spring	
PL101	Introduction to Philosophy T	3.00	Fall, Spring, Summer	
PL103	Logic and Critical Thinking T▶		Fall, Spring	
PL104	Ethics T▶	3.00	Fall, Spring, Summer	
PS100	General Psychology T▶	3.00	Fall, Spring, Summer	
PS102	Human Growth and Development →	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.	
PY101	Descriptive Astronomy T▶	3.00		
PY102	Weather and Climate	3.00	Spring	
PY103	Physical Geology T▶	3.00	Fall, Spring, Summer	
PY104L	Physical Geology Lab T▶	1.00	Fall, Spring, Summer	
PY110	Physical Science T▶	5.00	Fall, Spring	
PY112	General Physics I T▶	5.00	Fall, Spring Prereq: MA106 College Algebra or higher math.	
PY113	General Physics II Ţ▶	5.00	Spring Prereq: PY112 Gen Physics I.	
PY201	Engineering Physics I Ţ▶	5.00	Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.	
PY202	Engineering Physics II T▶	5.00	Spring Prereq: PY201 Eng Phys I with grade of C or better.	
RE101	New Testament Literature Ţ▶	3.00	Spring	
RE102	Old Testament Literature Ţ▶	3.00	Fall	
RE106	Introduction to World Religions Ţ▶	3.00	Spring	
SH101	Public Speaking T ▶	3.00	Fall, Spring, Summer	
SH122	Voice and Diction Ţ▶	3.00	Fall	
SH210	Interpersonal Communication T	3.00	Fall, Spring, Summer	
SM180	Basic Sports Medicine T ▶	3.00	Fall, Spring	
SO100	Fundamentals of Sociology T ►	3.00	Fall, Spring, Summer	
SO101	Marriage and Family Ţ▶	3.00	Fall, Spring, Summer	
SO106	Introduction to Women's Studies Ţ▶	3.00	Fall, Spring, Summer	
SO111	Cultural Anthropology T▶	3.00	Fall, Spring, Summer	
SO113	Cultural Diversity T▶	3.00	Fall, Spring	
SO122	Introduction to Social Work T ▶	3.00		
SO201	Social Problems ⊺ ▶	3.00	Fall, Spring, Summer Prereg: SO100 Fundamentals of Sociology.	
SP101	Elementary Spanish I T	5.00	Fall, Spring, Summer	
SP102	Elementary Spanish II T	5.00	Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II.	
SP105	Elementary Spanish III T▶	5.00	Spring Prereq: SP102 Spanish II.	
TH115	Theatre Appreciation →	3.00	Fall, Spring	
TH122	Voice and Diction T ▶	3.00	Fall	

All Electives				
Course ID	Course Title	Credit Hours	Notes	