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Natural Resources Management - Environmental Sciences - AS





















Degree Pathway

An Associate of Science provides a general education degree designed for students planning to transfer to four-year colleges and universities and pursue, in general, majors in science (computer, natural, physical, and social sciences), mathematics, and business. Of the 71 total credits needed to complete this degree pathway, 34-35 credit hours make up the Systemwide General Education Framework. The Additional Pathway Electives are courses specifically chosen for this transfer pathway. For more information about transfer and Systemwide General Education (SGE) please visit <https://www.hutchcc.edu/transfer>. This is a suggested list of courses. Consult with an advisor for more information.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Systemwide General Education Framework			
No Systemwide General Education Framework electives			
Additional Pathway Electives			
Course ID	Course Title	Credit Hours	Notes
AG101	Agriculture Orientation	1.00	Fall
AG103	Principles of Animal Science	3.00	Fall, Spring, Summer
AG106	Animal Evaluation I	1.00	Fall
AG202	Fundamentals of Nutrition	3.00	Fall Prereq: CH101 General Chemistry, or CH105 Chemistry I.
AG203	Principles of Feeding	3.00	Spring
BI104	Biology I T	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.
BI112	General Microbiology T	4.00	Fall, Spring, Summer Prereq: (BI101, BI103, BI104, BI105) BI107 is not a valid prereq code.
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 T	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
ED105	Success Seminar/College Orientation	1.00	Fall, Spring, Summer
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.
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.
SH101	Public Speaking T	3.00	Fall, Spring, Summer
English Composition I Options		3.00	
EN100	English Composition IB T	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.
Humanities Options		6.00	

AR101	Art Appreciation 	3.00	Fall, Spring, Summer
AR101H	Honors Art Appreciation 	3.00	Fall
AR104	Art History: Paleolithic to Medieval 	3.00	Fall
AR105	Art History: Renaissance to Modern 	3.00	Spring
AR106	Art in the Elementary Classroom 	3.00	Fall, Spring
EN120	Children's Literature 	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.
EN122	Science Fiction Literature	3.00	Prereq: EN100 English Comp IB with a grade of C or higher, or EN101 English Composition IA with a grade of C or higher.
EN201	Introduction to Literature 	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.
EN202H	Honors 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.
EN203H	Honors 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 	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.
EN204H	Honors American Literature I 	3.00	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 	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.
EN205H	Honors American Literature II 	3.00	Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN206	Contemporary Literature	3.00	Prereq: EN101/G=C, EN100/G=C, EN103/G=C is not a valid prereq code.
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.
EN214H	Honors Intro to Cultural Studies: Fairy Tales	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.
EN215	Medieval Literature in Contemporary Society	3.00	Prereq: EN100 or EN101 or EN103 with a grade of C or higher.
EN215H	Honors Medieval Literature in Contemporary Society	3.00	Prereq: EN100 or EN101 or EN103 with a grade of C or higher.
EN216	Vampires in Literature and Film	3.00	Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB 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 	3.00	Fall, Spring, Summer
HI101H	Honors American History 1492-1865 	3.00	
HI102	American History 1865-Present 	3.00	Fall, Spring, Summer
HI102H	Honors Amer. History 1865-Present 	3.00	
HI103	World History to 1600 	3.00	Fall, Spring, Summer
HI104	World History Since 1600 	3.00	Fall, Spring, Summer
HI122	Film History of World War II	3.00	Spring
HI201	Topics in History	3.00	
MU101	Music Appreciation 	3.00	Fall, Spring, Summer
MU101H	Honors Music Appreciation 	3.00	
MU106	Music Theory I 	3.00	Fall
MU107	Music Theory II 	3.00	Spring Prereq: MU106 Music Theory I.

MU127	Introduction To Jazz/Jazz Rock	3.00	Fall, Spring
MU206	Music Theory III	3.00	Fall Prereq: MU107 Music Theory II.
MU207	Music Theory IV	3.00	Spring Prereq: MU206 Music Theory III.
MU208	History of Art Music of the Western World	3.00	
PL101	Introduction to Philosophy ▶	3.00	Fall, Spring, Summer
PL101H	Honors Introduction to Philosophy ▶	3.00	Fall
PL103	Logic and Critical Thinking ▶	3.00	Fall, Spring
PL104	Ethics ▶	3.00	Fall, Spring, Summer
PL104H	Honors Ethics ▶	3.00	
PL105	Death and Dying	3.00	Fall, Spring, Summer
SP101	Elementary Spanish I ▶	5.00	Fall, Spring, Summer
SP102	Elementary Spanish II ▶	5.00	Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II.
SP105	Elementary Spanish III ▶	5.00	Spring Prereq: SP102 Spanish II.
TH115	Theatre Appreciation ▶	3.00	Fall, Spring
TH115H	Honors Theatre Appreciation	3.00	
Mathematics Options		3.00	
MA106	College Algebra ▶	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 ▶	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 ▶	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 ▶	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.
MA112H	Honors Analytical Geometry and Calculus I	5.00	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.
MA113	Analytical Geometry and Calculus II	5.00	Fall, Spring, Summer Prereq: MA111 with a grade of C or higher.
MA114H	Honors Analytical Geometry and Calculus II	5.00	Prereq: MA111 or MA112H with a grade of C or better.
MA201	Analytical Geometry and Calculus III	5.00	Fall, Summer Prereq: MA113 with a grade of C or higher.
MA202H	Honors Analytical Geometry and Calculus III	5.00	Prereq: MA113 or MA114H with a grade of C or better.
Necessary Skills Options		1.00	
AR110	Drawing I ▶	3.00	Fall, Spring
BU105	Introduction to Business ▶	3.00	Fall, Spring, Summer
BU107	Personal Finance ▶	3.00	Fall, Spring, Summer
BU118	Introduction to Leadership ▶	3.00	Fall, Spring
BU120	Job Search/Retention	1.00	Fall, Spring, Summer
BU121	Customer Service/Professional Image	3.00	Fall, Spring, Summer
CC105	Infant and Toddler Development ▶	3.00	Fall
ED105	Success Seminar/College Orientation	1.00	Fall, Spring, Summer
ED105H	Honors Success Seminar/College Orientation	1.00	Fall
ED110	Career Decision Making	1.00	
ED115	College Orientation and Career Exploration	2.00	Fall, Spring
ED126	Psychology of Happiness	2.00	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 ▶	1.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
HE202	Nutrition ▶	3.00	Fall, Spring, Summer
HR105	Medical Terminology ▶	3.00	Fall, Spring, Summer
IS100	Cybersecurity Application	3.00	Fall, Spring
IS103	Microcomputer Literacy	2.00	Fall, Spring, Summer
IS104	Microcomputer Applications ▶	3.00	Fall, Spring, Summer
IS105	Advanced Microcomputer Applications	3.00	Fall, Spring Prereq: IS104 Microcomputer Applications.
IS135	Essentials of Web Interaction	2.00	Fall, Spring, Summer
IS137	Website Ethics and Security	3.00	Fall, Spring
JL101	Introduction to Mass Communications ▶	3.00	Fall, Spring, Summer
LE101	Introduction to Criminal Justice ▶	3.00	Fall, Spring
PE105	Personal and Community Health ▶	3.00	Fall, Spring, Summer
PE106	First Aid and CPR ▶	2.00	Fall, Spring
PE122	Rhythms I	2.00	Fall
PE123	Rhythms II	2.00	Spring
PE126	Conditioning and Fitness Concepts I	1.00	Fall, Spring, Summer
PE127	Conditioning and Fitness Concepts II	1.00	Fall, Spring, Summer Prereq: PE126 Conditioning & Fitness Concepts I.
PE145	Golf	1.00	
PE151	Social Dance-Beginning	1.00	
PE156	Aerobic Dance	1.00	
PE173	Fitness for Life	1.00	Fall, Spring, Summer
PE178	Yoga I	1.00	
PE185	Exercise Physiology ▶	3.00	Spring
PE186	Aerobic Fitness I	1.00	Fall, Spring
PE187	Aerobic Fitness II	1.00	Fall, Spring Prereq: PE186 Aerobic Fitness I.
PE188	Aerobic Fitness III	1.00	Fall, Spring Prereq: PE187 Aerobic Fitness II.
PE189	Aerobic Fitness IV	1.00	Fall, Spring Prereq: PE188 Aerobic Fitness III.
RE106	Introduction to World Religions ▶	3.00	Spring
SH122	Voice and Diction ▶	3.00	Fall
SH210	Interpersonal Communication ▶	3.00	Fall, Spring, Summer
SO103	Stress Management	1.00	Fall, Spring, Summer
SO104	Assertiveness Training	2.00	Fall, Spring, Summer
TH118	Stagecraft ▶	3.00	Fall
TH121	Acting II ▶	3.00	Fall Prereq: TH116 Acting I with a grade of C or better.
TH122	Voice and Diction ▶	3.00	Fall
TH123	Theatre Practicum I ▶	1.00	Fall, Spring
TR120	Work Ethics	2.00	Fall, Spring
PS100 General Psychology OR SO100 Fundamentals of Sociology		3.00	
PS100	General Psychology ▶	3.00	Fall, Spring, Summer
SO100	Fundamentals of Sociology ▶	3.00	Fall, Spring, Summer
Social Science Options		3.00	
EC100	Macroeconomics ▶	3.00	Fall, Spring, Summer
EC100H	Honors Macroeconomics ▶	3.00	Fall
EC101	Microeconomics ▶	3.00	Fall, Spring, Summer
EC101H	Honors Microeconomics ▶	3.00	Fall, Spring
GE101	World Geography ▶	3.00	Fall, Spring, Summer

GO100	American Government ▶	3.00	Fall, Spring, Summer
GO101	State and Local Government ▶	3.00	Fall
GO102	International Relations ▶	3.00	Fall, Spring
GO110	Introduction to Political Science ▶	3.00	Fall, Spring
GO110H	Honors Introduction to Political Science ▶	3.00	Fall
PS100	General Psychology ▶	3.00	Fall, Spring, Summer
PS101	Human Relations	3.00	Fall, Spring, Summer
PS102	Human Growth and Development ▶	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 ▶	3.00	Fall, Spring, Summer
SO100H	Honors Fundamentals of Sociology ▶	3.00	Fall
SO101	Marriage and Family ▶	3.00	Fall, Spring, Summer
SO101H	Honors Marriage and Family ▶	3.00	Fall, Spring
SO111	Cultural Anthropology ▶	3.00	Fall, Spring, Summer
SO111H	Honors Cultural Anthropology ▶	3.00	
SO113	Cultural Diversity ▶	3.00	Fall, Spring
SO122	Introduction to Social Work ▶	3.00	Fall
SO201	Social Problems ▶	3.00	Fall, Spring, Summer Prereq: SO100 Fundamentals of Sociology.

Total Credits: 71.00

*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 Core.