

www.hutchcc.edu/request-info

Zoo Science - 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.

(**Ъ**) are Systemwide Transfer Courses

(\bigstar) are recommended for this degree pathway.

	Semester 1 - Fall					
Complete	Course ID	Course Title	Credit Hours	Notes		
	Systemwide General Education Framework					
	English Options (SGE) ⁰¹⁰		3.00	6 credits required.		
	Mathematics Options (SGE) 030			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					
		Semester Total:	14.00			

	Semester 2 - Spring					
Complete	Course ID	Course Title	Credit Hours	Notes		
	Systemwide General Education Framework					
	English Options (SGE) ⁰¹⁰		3.00	6 credits required.		
		Additional Pathw	ay Electives			
	All Electives		3.00			
	СН106	Chemistry II	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.		
EN201 Introduction to Literature		3.00	Fall, 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.			
		Semester Total:	14.00			

	Semester 3 - Fall					
Complete	Course ID	Course Title	Credit Hours	Notes		
	Systemwide General Education Framework					
	Communication Options (SGE) 020			3 credits required.		
	Natural & Physical Science Lab Options (SGE) ⁰⁴⁰			4-5 credits required including a lab.		
	Social & Behavioral Sciences Options (SGE) ⁰⁵⁰		3.00	6 credits required from two disciplines.		
	Arts and Humanities Options (SGE) ⁰⁶⁰			6 credits required from two disciplines.		

	Additional Pathway Electives					
1	MA108	Elements of Statistics		3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 or Higher.	
			Semester Total:	17.00		

	Semester 4 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes	
	Systemwide General Education Framework				
	Arts and Humanities Options (SGE) ⁰⁶⁰			6 credits required from two disciplines.	
	Institutional Options (SGE) ⁰⁷⁰			6 credits required.	
	·	Additional Pathw	ay Electives		
	All Electives		8.00		
	World History Options		3.00		
		Semester Total:	15.00		

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 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 Accu NG Writing Score 255+ & Accu NG Reading Score 255+, and ACT Reading Score of 18 or above, or ACT English Score of 18 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 \mathbf{T}	3.00	Fall, Spring, Summer		

	Mathematics Options (SGE) 030					
Course ID	Course Title	Credit Hours	Notes			
★ MA106	College Algebra Ъ	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.			
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 T	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 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 T	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 ႃ	3.00	Fall, Spring, Summer			

	Natural & Physical Science Lab Options (SGE) 040					
Course ID	Course Title	Credit Hours	Notes			
BI101	General Biology T	4.00	Fall, Spring, Summer			
BI103	Human Anatomy and Physiology T	6.00	Fall, Spring, Summer Prereq: Bl100 or Bl101 or Bl104 or Bl105 or Bl112 w/Grade of C.			
★ BI104	Biology I ™	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.			
BI105	Biology II ъ	5.00	Spring Prereq: Bl101 General Biology, or Departmental Consent, or Bl104 Biology I.			
BI107	Human Anatomy and Physiology I T	4.00	Fall, Spring			
BI108	Human Anatomy and Physiology II T	4.00	Fall, 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 T	5.00	Fall, Spring, Summer Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.
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 \mathbf{T}	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
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 Prereq: MA106 College Algebra or higher math.
PY113	General Physics II T	5.00	Spring Prereq: PY112 Gen Physics I.
PY201	Engineering Physics I T	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.

	Social & Behavioral Sciences Options (SGE) 050					
Course ID	Course Title	Credit Hours	Notes			
EC100	Macroeconomics T	3.00	Fall, Spring, Summer			
EC101	Microeconomics 	3.00	Fall, Spring, Summer			
GE101	World Geography T	3.00	Fall, Spring, Summer			
GO100	American Government T	3.00	Fall, Spring, Summer			
GO101	State and Local Government T	3.00				
GO102	International Relations T	3.00	Spring			
GO110	Introduction to Political Science T	3.00	Fall			
GO132	Comparative Politics T	3.00				
LE101	Introduction to Criminal Justice $ {f { m I}} $	3.00	Fall, Spring			
LE205	Criminal Law T	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 \mathbf{F}	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 T	3.00	Fall, Spring, Summer			
SO106	Introduction to Women's Studies T	3.00	Fall, 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	Fall			
SO201	Social Problems T	3.00	Spring, Summer Prereq: SO100 Fundamentals of Sociology.			

	Arts and Humanities Options (SGE) ⁰⁶⁰				
Course ID	Course Title	Credit Hours	Notes		
AR101	Art Appreciation 	3.00	Fall, Spring, Summer		
AR104	Art History: Paleolithic to Medieval $ {f { m P}}$	3.00	Fall		
AR105	Art History: Renaissance to Modern T	3.00	Spring		
AR106	Art in the Elementary Classroom \mathbf{F}	3.00	Fall, Spring		
EN120	Children's Literature T	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 T		Fall, Spring		
EN201	Introduction to Literature T	3.00	Fall, 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		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 l 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	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, 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.		
EN217	Podcast Fiction	3.00	Fall Caring		
★ 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	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, Summer		
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 \mathbf{F}	3.00	Fall		
MU206	Music Theory III	3.00	Fall Prereq: MU107 Music Theory II.		
MU207	Music Theory IV	3.00	Prereq: MU206 Music Theory III.		
PL101	Introduction to Philosophy T	3.00	Fall, Spring, Summer		
PL103	Logic and Critical Thinking $ {f au} $	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 T	3.00	Spring	
SH101	Public Speaking T	3.00	Fall, Spring, Summer	
SH103	Oral Interpretation	3.00	Spring	
SH122	Voice and Diction T	3.00	Fall	
SH210	Interpersonal Communication T	3.00	Fall, Spring, Summer	
SO113	Cultural Diversity T	3.00	Fall, Spring	
SP101	Elementary Spanish l 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	Prereq: SP102 Spanish II.	
TH115	Theatre Appreciation T	3.00	Fall, Spring, Summer	
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 T	3.00	Fall		
AR105	Art History: Renaissance to Modern T	3.00	Spring		
AR106	Art in the Elementary Classroom \mathbf{F}	3.00	Fall, Spring		
AR110	Drawing I T	3.00	Fall		
AR122	2-D Design Ъ	3.00	Fall		
BI101	General Biology T	4.00	Fall, Spring, Summer		
BI102	Ecology of Environmental Problems T	3.00	Spring		
BI103	Human Anatomy and Physiology T	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 ™	5.00	Spring Prereq: Bl101 General Biology, or Departmental Consent, or Bl104 Biology I.		
BI107	Human Anatomy and Physiology I T	4.00	Fall, Spring		
BI108	Human Anatomy and Physiology II T	4.00	Fall, Spring Prereq: BI107 Human Anatomy and Physiology I.		
BI112	General Microbiology T	4.00	Fall, Spring, Summer Prereq: (Bl101,Bl103,Bl104,Bl105)Bl107 is not a valid prereq code.		
BU101	Accounting I T	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 T	3.00	Fall, Spring, Summer		
BU107	Personal Finance T	3.00	Fall, Spring, Summer		
BU109	Business Communications T	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 T		Fall, Spring		
BU203	Management T	3.00	Fall, Spring, Summer		
BU205	Business Law I T	3.00	Fall, Spring		
CC101	Introduction to Early Childhood Education T	3.00	Fall, Spring		
CC105	Infant and Toddler Development T	3.00			
CH101	General Chemistry T	5.00	Fall, Spring, Summer Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.		
★ 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.		
CH201	Organic Chemistry I T	5.00	Fall Prereq: CH106 Chemistry II.		
CH202	Organic Chemistry II T	5.00	Spring Prereq: CH201 Organic Chemistry I.		
CS111	Visual Basic Programming T	3.00	Fall, Spring, Summer		
CS200	Problem Solving and Programming T	4.00	Fall, Spring Prereq: MA106 College Algebra, or Departmental Consent, and CS11 Visual Basic Programming.		
EC100	Macroeconomics T	3.00	Fall, Spring, Summer		
EC101	Microeconomics T	3.00	Fall, Spring, Summer		
ED201	Introduction to Education T	3.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.		
ED201L	Introduction to Education Practicum T	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 T	3.00	Fall, Spring		
ED207	Elementary School PE & Health T	3.00	Spring		
EN120	Children's Literature T	3.00	Fall, Spring		
EN128	Introduction to Creative Writing T	3.00	Fall, Spring		
EN201	Introduction to Literature T	3.00	Fall, 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.		
EN204	American Literature I T		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		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		Fall, Spring, Summer		
GO100	American Government T	3.00	Fall, Spring, Summer		
GO101	State and Local Government T	3.00			
GO102	International Relations T	3.00	Spring		
GO110	Introduction to Political Science T		Fall		
GO132	Comparative Politics T	3.00			
HE202	Nutrition T	3.00	Fall, Spring, Summer		
HI101	American History 1492-1865 T		Fall, Spring, Summer		
HI102	American History 1865-Present T		Fall, Spring, Summer		
HI103	World History to 1600 •		Fall, Spring, Summer		
HI104	World History Since 1600 T		Fall, Spring, Summer		
HR105	Medical Terminology T		Fall, Spring, Summer		

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IS104	Microcomputer Applications T	3.00	Fall, Spring, Summer	
JL101	Introduction to Mass Communications T	3.00	Fall, Spring, Summer	
LE101	Introduction to Criminal Justice T	3.00	Fall, Spring	
LE205	Criminal Law T	3.00	Fall	
MA106	College Algebra T	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.	
MA107	Plane Trigonometry T	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Ma Score of 23 to 36.	
MA108	Elements of Statistics T	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 or Higher.	
MA110	Calculus T	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Ma Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.	
MA111	Analytical Geometry and Calculus I T	5.00	Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or AC Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of (or higher.	
MA113	Analytical Geometry and Calculus II T	5.00	Fall, Spring, Summer Prereq: MA111 with a grade of C or higher.	
MA117	Contemporary Math T	3.00	Fall, Spring, Summer	
MA206	Differential Equations T	3.00	Fall, Spring Prereq: MA113 with a grade of C or higher.	
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.	
MU201	Music in the Elementary Classroom T	3.00	Fall	
PE105	Personal and Community Health T	3.00	Fall, Spring, Summer	
PE106	First Aid and CPR T	2.00	Fall, Spring	
PE185	Exercise Physiology T	3.00	Spring	
PL101	Introduction to Philosophy T	3.00	Fall, Spring, Summer	
PL103	Logic and Critical Thinking \mathbf{T}	3.00	Fall, Spring	
PL104	Ethics T	3.00	Fall, Spring, Summer	
PS100	General Psychology T	3.00	Fall, Spring, Summer	
PS102	Human Growth and Development $ {f { m I}}$	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.	
PY102	Weather and Climate	3.00	Spring	
PY103	Physical Geology T	3.00	Fall, Spring, Summer	
PY104L	Physical Geology Lab T	1.00	⁰ Fall, Spring, Summer	
PY110	Physical Science T	5.00	Fall, Spring	
PY112	General Physics I T	5.00	Fall Prereq: MA106 College Algebra or higher math.	
PY113	General Physics II T	5.00	Spring Prereq: PY112 Gen Physics I.	
PY201	Engineering Physics I T		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 T	3.00	Spring	
RE102	Old Testament Literature T		Fall	
RE106	Introduction to World Religions T	3.00	Spring	
SH101	Public Speaking T	3.00	Fall, Spring, Summer	

SH122	Voice and Diction T	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 T	3.00	Fall, Spring, Summer	
SO106	Introduction to Women's Studies T	3.00	Fall, 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	Fall	
SO201	Social Problems T	3.00) Spring, Summer Prereq: 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		Prereq: SP102 Spanish II.	
TH115	Theatre Appreciation T	3.00	Fall, Spring, Summer	
TH116	Acting I T	3.00	Fall	
TH121	Acting II T	3.00	Fall Prereq: TH116 Acting I with a grade of C or better.	
TH122	Voice and Diction T	3.00	Fall	

All Electives					
Course ID	Course Title	Credit Hours	Notes		

Program Notes:

Although the SGE requires 4-5 credit hours of a lecture and lab course in the Natural Science area, a student must complete 9 credit hours of Natural Science & Mathematics courses (with at least 4 hours being a lecture and lab science course) to meet the HutchCC Associate of Science degree requirement.