

Course Title	ACC Course	UAH Equivalent	STARS Area	Hours	Concentration For Which Required:
English Composition Courses					
English Composition I	ENG 101	EH 101	Area I	3	All
English Composition II	ENG 102	EH 102	Area I	3	All
** A sequence in History or Literature is required					
Humanities and Fine Arts Courses (12 Hours)					
Fine Art	ART 100	ARH 1XX	Area II	3	All
	ART 203	ARH 100	Area II		
	ART 204	ARH 101	Area II		
	MUS 101	MU 100	Area II		
Literature	ENG 251, 261, 271	EH 207	Area II	3	All
	ENG 252, 262, 272	EH 208	Area II		
Speech	SPH 107	CM 113	Area II	3	All
Humanity/ Fine Art/Lit**	Choose 3 hours from: Art Appreciation, Art History, Lit, Foreign Language, Music Appreciation, Philosophy, or Religion.				All
Mathematics Courses					
Pre-Calculus Algebra	MTH 112	MA 112	Area V	3	All ³
Pre-Calculus Trigonometry	MTH 113	MA 113	Area V	3	All ³
Calculus with Applications	MTH 120	MA 120	Area III	3	Gen Biology ⁴ , Exercise Phys ⁴ , Ecology & Evol ⁴ , Microbiology ⁴
Calculus I	MTH 125	MA 171	Area III	4	All ⁴
Calculus II	MTH 126	MA 172	Area V	4	Biochemistry
Statistics	MTH 265	MA 281	Area V	3	Ecology & Evolution
Science Courses					
Biology I	BIO 103	BYS 119		4	All
Biology II	BIO 104	BYS 120		4	All
General Microbiology	BIO 220	BYS 214		4	All ⁵
Human Anat & Physiology I	BIO 201	BYS 215		4	All ⁵
Human Anat & Physiology II	BIO 202	BYS 216		4	All ⁵
Intro to Chemistry	CHM 104	CH 101/105	Area V	4	General Biology ⁶ , Exercise Physiology ⁶ , Ecology & Evolution ⁶
Intro to Organic Chemistry	CHM 105	CH 201/205	Area V	4	General Biology ⁶ , Exercise Physiology ⁶ , Ecology & Evolution ⁶
General Chemistry I	CHM 111	CH 121/125	Area V	4	Microbiology, Pre-Professional Health Careers, Biochemistry
General Chemistry II	CHM 112	CH 123/126	Area V	4	Microbiology, Pre-Professional Health Careers, Biochemistry
General Physics I	PHY 201	PH 101	Area III	4	All ⁷
General Physics II	PHY 202	PH 102	Area III	4	All ⁷
Gen Physics w/ Calc I	PHY 213	PH 111/114	Area III	4	Biochemistry
Gen Physics w/ Calc II	PHY 214	PH 112/115	Area III	4	Biochemistry
** A sequence in History or Literature is required					
History, Social & Behavioral Sciences Courses (12 Hours)					
History	HIS 101	HY 101	Area IV	3	All
	HIS 102	HY 102	Area IV		
	HIS 121	HY 103	Area IV		
	HIS 122	HY 104	Area IV		
	HIS 201	HY 221	Area IV		
	HIS 202	HY 222	Area IV		
Social & Behavioral Science	ANT 200	SOC 105	Area IV	6	All
	ECO 231	ECN 142	Area IV		
	ECO 232	ECN 143	Area IV		
	GEO 100	GY 105	Area IV		
	GEO 201	GY 110	Area IV		
	POL 211	PSC 101	Area IV		
	PSY 200	PY 101	Area IV		
	PSY 210	PY 201	Area IV		
SOC 200	SOC 100	Area IV			
SOC 210	SOC 102	Area IV			
History/ Soc & Beh Sci**	Choose 3 hours from: Anthropology, Economics, Geography, History, Political Science, Psychology, or Sociology				All
Additional Courses					
C/C++ Programming	CIS 251	CS 102	Area V	3	All ⁸
Java Programming	CIS 255	CS 103	Area V	3	All ⁸

1. UAH Biology offers 7 concentrations: Biochemistry, Ecology & Evolution, Microbiology, Secondary Education, Exercise Physiology, Pre-Professional Health, & General Biology.
2. A maximum of 64 credit hours from a two-year institution can be applied toward a Science degree at UAH.
3. MA 112 and MA 113 are pre-requisites to MA 171. MA 112 and MA 113 are not required unless it is necessary to take these pre-requisite courses
4. Math through Calculus is required. General Bio, Exercise Phys, Ecology & Evol, and Micro. can choose MA 120 or MA 171. All other concentrations are required to take MA 171.
5. BYS 214, BYS 215, BYS 216 can count as electives for all BYS majors, but will NOT count as upper level credits. 39 upper level credits are required to graduate.
6. A sequence in Chemistry is required. Choose: CH 101/105 & CH 201/205 or CH 121/125 & CH 123/126.
7. A sequence in Physics is required. Choose: PH 101 & PH 102 or PH 111/114 & PH 112/115.
8. BYS majors are required to take a programming course. Choose: CS 102 or CS 103.