

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1140, APEX 1 (or AIC1100 Introduction to ACE (3 cr))	1	14
	ENG1201, English Composition	3	
	BIO 1200, Human Anatomy and Physiology I with lab, BIO1201	4	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
SPRING	ENG1202, Analytical Writing	3	14
	BIO1210, Human Anatomy and Physiology II with lab, BIO1211	4	
	MAT1840 College Algebra and Trig	4	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
<b>SOPHOMORE</b>			
FALL	BIO1400 Biology I with lab, BIO1401	4	13
	CHE1600 General Chemistry I (includes CHE1602, Review)	4	
	CHE1601 General Chemistry Lab I	1	
	MAT2400 Calculus I	4	
SPRING	AIC2140, APEX 2	1	16
	BIO1300, Principles of Microbiology, with lab, BIO1301 or BIO2430 Microbiology, with lab, BIO2431	4	
	CHE1700 General Chemistry II (includes CHE1702, Review)	4	
	CHE1701 General Chemistry Lab II	1	
	MAT2004 Biostatistics (Gen Ed – Quant Lit)	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
<b>JUNIOR</b>			
FALL	BIO2200, Pathophysiology	3	16
	CHE2400 Organic Chemistry I	3	
	CHE2401 Organic Chemistry Lab I	1	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	Elective	3	
SPRING	AIC3140, APEX 3	1	16
	BIO2400 Comparative Vertebrate Anatomy, with lab, BIO2401 or BIO2410, Animal Histology, with lab, BIO2411	4	
	BIO3XXX Biology elective, or CHE4200, Biochemistry I, with Lab BIO4201 or CHE4300, Biochemistry II, with lab, BIO4301	4	
	CHE2500 Organic Chemistry II	3	
	CHE2501 Organic Chemistry Lab II	1	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	<b>SENIOR</b>		
FALL	AIC4140, APEX 4	1	16
	BIO4804 Senior Seminar in Human Biology	3	
	BIO3XXX Biology elective, or CHE4200, Biochemistry I, with Lab BIO4201 or CHE4300, Biochemistry II, with lab, BIO4301	4	
	PHY1600 General Physics I (with PHY1602, Review)	4	
	PHY1601 General Physics I lab	1	
	Elective	3	
	SPRING	BIO4350 Evolution	
BIO3XXX Biology elective, or CHE4200, Biochemistry I, with Lab BIO4201 or CHE4300, Biochemistry II, with lab, BIO4301		4	
PHY1800 General Physics II (with PHY1802, Review)		4	
PHY1801 General Physics II lab		1	
Elective		3	
			<b>TOTAL CREDITS:</b>

Notes:

\*A student will incur additional tuition charges in any semester in excess of 17 credits.

\*\*A student must apply to the Dean for permission to take more than 18 credits in any given semester.

\*\*\* General Education courses must be selected to satisfy the General Education requirements in Civic and Social Responsibility, Human Culture and Expression, and Scientific and Quantitative Literacy.

List of Requirements (all courses are 3 credits unless otherwise noted)

**Major Requirements:**

_____	BIO1200	Human Anatomy and Physiology I, with lab, BIO1201 (4 cr)	
_____	BIO1210	Human Anatomy and Physiology II, with lab, BIO1211 (4 cr)	
_____	BIO1400	Biology I, with lab, BIO1401 (4 cr)	
_____	BIO2200	Pathophysiology	
_____	BIO4350	Evolution	
_____	BIO4804	Senior Seminar in Human Biology	_____ CREDITS

**Choose one from the following courses:**

_____	BIO1300	Principles of Microbiology, with lab, BIO1301 (4 cr)	
_____	BIO2430	Microbiology, with lab, BIO2431 (4 cr)	_____ CREDITS

**And one from the following courses:**

_____	BIO2400	Comparative Vertebrate Anatomy, with lab, BIO2401 (4 cr)	
_____	BIO2410	Animal Histology, with lab, BIO2411 (4 cr)	_____ CREDITS

**Plus a minimum of 12 semester hours of elective credits from the following:**

_____	BIO2400	Comparative Vertebrate Anatomy, with lab, BIO2401 (4 cr)	
_____	BIO2410	Animal Histology, with lab, BIO2411 (4 cr)	
_____	BIO3200	Human Functional Anatomy	
_____	BIO3400	Cell Biology, with lab, BIO3401 (4 cr)	
_____	BIO3410	Immunology, with lab, BIO3411 (4 cr)	
_____	BIO3420	Comparative Embryology, with lab, BIO3421 (4 cr)	
_____	BIO3430	Animal Physiology, with lab, BIO3431 (4 cr)	
_____	BIO3450	Genetics, with lab, BIO3451 (4 cr)	
_____	BIO3470	Virulence in Microbial Pathogens, with Lab, BIO3471 (4 cr)	
_____	BIO4030	Molecular Biology, with Lab, BIO4031 (4 cr)	
_____	BIO4210	Mammalogy, with lab, BIO4211 (4 cr)	_____ CREDITS

**Plus one of the following courses:**

_____	MAT2004	Biostatistics	
_____	CHE4200	Biochemistry I, with lab, CHE4201 (4 cr)	
_____	CHE4300	Biochemistry II, with lab CHE4301 (4 cr)	_____ CREDITS

**All Human Biology majors must also complete the required core in allied fields:**

_____	CHE1600	General Chemistry I, with review CHE1602 and lab CHE1601 (5 cr)	
_____	CHE1700	General Chemistry II, with review CHE1702 and lab CHE1701 (5 cr)	
_____	CHE2400	Organic Chemistry I, with lab CHE2401 (4 cr)	
_____	CHE2500	Organic Chemistry II, with lab CHE2501 (4 cr)	
_____	PHY1600	General Physics I, with review PHY1602 and lab PHY1601 (5 cr)	
_____	PHY1800	General Physics II, with review PHY1802 and lab PHY1801 (5 cr)	_____ CREDITS

**Additionally, all Human Biology Majors must complete two of the following courses:**

_____	MAT1840	College Algebra and Trigonometry (4 cr)	
_____	MAT2400	Calculus I (4 cr)	
_____	MAT2500	Calculus II, with Lab, MAT2501	_____ CREDITS

Plus, the following General Education courses (each line represents one course from the list):

● **Personal and Professional Development (4 courses, 4 credits or 6 credits (ACE students) total)**

- \_\_\_\_\_ APEX 1: AIC1140 (1 cr) or AIC1100 Introduction to ACE (3 cr)
- \_\_\_\_\_ APEX 2: AIC2140 (1 cr)
- \_\_\_\_\_ APEX 3: AIC3140 (1 cr)
- \_\_\_\_\_ APEX 4: AIC4140 (1 cr)

● **Civic and Social Responsibility: (4 courses, 12 credits total, with at least 1 course in each area)**

- \_\_\_\_\_ **Individual and Interpersonal Behavior:** PSY1401, PSY1501, SOC1010, SOC1100, SOC1400
- \_\_\_\_\_ **American Heritage/Society:** AMS1100, ECO1000, ECO1401, ECO1402, HST1510, HST1520, HST1600, POL1000, POL1400
- \_\_\_\_\_ **Global Perspective:** ECO1010, HST1400, HST1410, HST1420, HST1430, HST1500, HST2440, IBS1420, POL1500
- \_\_\_\_\_ Any additional course from the 3 subcategories listed above

● **Human Culture and Expression: (5 courses, 15 credits total, with 2 courses in Composition and Communication And...**

- \_\_\_\_\_ **Composition and Communication:** ENG1201 OR ENG1601
- \_\_\_\_\_ **Composition and Communication:** ENG1202 OR ENG1602

... And 2 courses in 2 different areas, And...

- \_\_\_\_\_ **Language and Literature:** Any ENG2XXX-level or higher literature course OR any elementary or intermediate foreign language
- \_\_\_\_\_ **Visual and Fine Arts:** ART1000, ART1010, ART1030, ART1100, ART1120, COM2460, COM3290, MUSXXXX, THR1400, VDA2640
- \_\_\_\_\_ **Philosophy and Ethics:** PHI1000, PHI1200, PHI1400, PHI2010, PHI2030

...And 1 additional course from any of the 3 areas above

\_\_\_\_\_ Additional course from 3 subcategories listed above

● **Scientific Perspectives and Inquiry: (2 courses with labs, 8 credits total including 2 credits in Lab)**

- \_\_\_\_\_ BIO1020/1021, BIO1100/1101, BIO1110/1111, BIO1130/1131,\* BIO1200/1201;\* BIO1210/1211; \*BIO1300/1301, \*BIO1400/1401, \*BIO1500/1501; CHE1100/1101, CHE1110/1111, CHE1200/1201, CHE1600/1601, CHE1700/1701; PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051, PHY1600/1601, PHY1800/1801
- \_\_\_\_\_ BIO1020/1021, BIO1100/1101, BIO1110/1111, BIO1130/1131,\* BIO1200/1201;\* BIO1210/1211; \*BIO1300/1301, \*BIO1400/1401, \*BIO1500/1501; CHE1100/1101, CHE1110/1111, CHE1200/1201, CHE1600/1601, CHE1700/1701; PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051, PHY1600/1601, PHY1800/1801

*\*Restricted to students for which course is a major requirement*

● **Quantitative Literacy: (1 course, 3 credits total)**

- \_\_\_\_\_ MAT1310, 1430, 2004, 2030; PSY2302/CRJ2302

When counting credits, do not include those for courses included in the major requirements.

\_\_\_\_\_ CREDITS

Plus, enough elective courses to reach a minimum of 120 total credits.

- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_

\_\_\_\_\_ TOTAL CREDITS  
(120 min req for graduation)