

Program Plan

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1005, Pathways for College Success or AIC1100 Introduction to ACE (3 cr)	3	14
	ENG1200 or ENG1201, Intro to Academic Writing or English Comp(Gen Ed category 4)	3	
	BIO 1200, Human Anatomy and Physiology I with lab (1201) (Gen Ed category 1)	4	
	MAT1840, College Algebra and Trig (See Math Note, below)	4	
SPRING	ENG1202, Analytical Writing (Gen Ed category 3)	3	17
	BIO1210, Human Anatomy and Physiology II with lab (1211) (Gen Ed category 1)	4	
	MAT2400 Calculus I	4	
	Gen Ed course (category 2 or 4)	3	
	Gen Ed course (category 2 or 4)	3	
SOPHOMORE			
FALL	MAT2004 Biostatistics (Gen Ed category 1)	3	17
	CHE1600 General Chemistry I with lab (1601)	4	
	BIO1300, Principles of Microbiology, with lab	4	
	Gen Ed course (category 2 or 4)	3	
	Gen Ed course (category 2, 3 or 4)	3	
SPRING	BIO1400 Biology I with lab, BIO1401	4	14
	BIO2200, Pathophysiology or Elective	3	
	CHE1700 General Chemistry II with lab (1701)	4	
	Gen Ed course (category 2 or 4)	3	
JUNIOR			
FALL	BIO2400 Comparative Vertebrate Anatomy, with lab, BIO2401 or BIO2410, Animal Histology, with lab, BIO2411	4	14
	CHE2400 Organic Chemistry I with lab (2401)	4	
	Gen Ed course (category 2, 3 or 4)	3	
	Gen Ed course (category 2, 3 or 4)	3	
SPRING	AIC3005, Pathways for Professional Success	2	16
	Elective or BIO2200, Pathophysiology	3	
	BIO3XXX Biology elective, or CHE3200, Introduction to Biochemistry, with Lab CHE3201	4	
	CHE2500 Organic Chemistry II with lab (2501)	4	
	Gen Ed course (category 2, 3 or 4)	3	
SENIOR			
FALL	BIO4804 Senior Seminar in Human Biology	3	14
	BIO3XXX Biology elective, or CHE3200, Introduction to Biochemistry, with Lab CHE3201	4	
	PHY1600 General Physics I with lab (1601)	4	
	Elective or BIO4833 Research Problems, or BIO4899 Biology Internship	3	
SPRING	BIO4350 Evolution	3	14
	BIO3XXX Biology elective, or CHE3200, Introduction to Biochemistry, with Lab CHE3201	4	
	PHY1800 General Physics II with lab (1801)	4	
	BIO4833 Research Problems, or BIO4899 Biology Internship or Elective	3	
		TOTAL CREDITS:	120

*A student will incur additional tuition charges in any semester in excess of 18 credits.

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

Math Note: It is recommended that students needing additional support in Math enroll in MAT1630, College Algebra in first year fall term. This will push the MAT1840 and MAT2400 sequence to Fall and Spring, Year 2, respectively. MAT1630 is a general elective.

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

All Human Biology majors must choose one of the following courses:

_____	BIO4833	Research Problems	
_____	BIO4899	Biology Internship	_____ CREDITS

Plus a minimum of 8 semester hours of elective credits from the following:

(other 2000/3000-level biology courses may be accepted at the discretion of the faculty advisor or Division Chair)

_____	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	
_____	CHE3200	Introduction to Biochemistry, with lab, CHE3201 (4 cr)	_____ CREDITS

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

_____	CHE1600	General Chemistry I, with lab CHE1601 (4 cr)	
_____	CHE1700	General Chemistry II, with lab CHE1701 (4 cr)	
_____	CHE2400	Organic Chemistry I, with lab CHE2401 (4 cr)	
_____	CHE2500	Organic Chemistry II, with lab CHE2501 (4 cr)	
_____	PHY1600	General Physics I, with lab PHY1601 (4 cr)	
_____	PHY1800	General Physics II, with lab PHY1801 (4 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, MAT250_____ CREDITS	

General Education Requirements Catalog Year: 2024-2025

Content Category #1: Exploring Scientific World			7 or 10 credits*
Requirements: 1 Math Course (3 cr) & 1 Science course w/Lab (4 cr). A 2 nd science course*, with or without lab, may be completed in lieu of one INT course.			
Choose 1	Math	MAT1430, MAT2004, PSY2302	
Choose 1	SCIENCE with LAB	BIO1020/1021, BIO1120/1121, BIO1130/1131, BIO1200/1201, BIO1210/1211, BIO1400/1401, BIO1500/1501, CHE1100/1101, CHE1110/1111, PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051 <i>BIO1250/1251 for Health Science majors only</i>	
*OPTION: Choose 1	SCIENCE with/without LAB (Choose this option OR a 3 rd INT, Category 3)	BIO1020/1021, BIO1120/1121, BIO1130/1131, BIO1200/1201, BIO1210/1211, BIO1400/1401, BIO1500/1501, CHE1100/1101, CHE1110/1111, PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051 <i>BIO1250/1251 for Health Science majors only</i>	
Content Category #2: Understanding Self and Others			9 credits
Requirements: 1 course in each category: Self Context (3 cr), US Context (3 cr), Global Context (3 cr)			
Choose 1	Self Context	AAL1200, PSY1200, SOC1100	
Choose 1	US Context	ECO1401, ECO1402, HST1510, HST1520, PCH1030, POL1400, SOC1400	
Choose 1	Global Context	ECO1010, HST1400, HST1410, HST1430, IBS1420, PCH2030, POL1500, SOC2650	
Content Category #3: Exploring Interdisciplinarity			9 or 12 credits*
Requirements: ENG1202/1602 (3 cr) AND 2 (or 3*) Interdisciplinary (INT) courses (6 or 9 cr)			
Choose 1	Analytical Writing	ENG1202 or ENG1602	
Choose 2	Interdisciplinary courses	AIC3100, COM1282, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2600, INT2620, INT2655	
*OPTION: Choose 1	Interdisciplinary: a 3 rd INT course (OR a science course, Category 1)	AIC3100, COM1282, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2600, INT2620, INT2655	
Content Category #4: Exploring the Arts and Humanities			9 credits
Requirements: 1 course in each category: Arts (3 cr) and Humanities (3 cr)			
Choose 1	English Composition	ENG1200, ENG1201 or ENG1601	
Choose 1	Arts	ART1000, COM2460, COM3290, ENG2325, FDM1250, MUS1000, MUS1020, THR1400, THR1420, VDA2640	
Choose 1	Humanities	ENG2390, ENG2410, ENG2420, ENG2430, ENG2510, ENG2520, ENG3200, ENG3210, ENG3430, ENG3440, ENG3800, ITL1000, PHI1000, PHI1200, PHI1400, PHI2010, SPA1010, SPA1100, SPA1201, SPA1202	
Content Category #5: Developing Professional Readiness			5 credits
Requirements:			
Choose 1	APEX or ACE	AIC1005 or AIC1100 (3 cr)	
Choose 1	APEX	AIC3005 (2 cr)	