

Program Plan

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1140, APEX 1 (or AIC1100 Introduction to ACE (3 cr))	1	14
	ENG1200, or ENG1201, English Composition or ENG1601 (Gen Ed category 4)	3	
	BIO 1200, Human Anatomy and Physiology I with lab, BIO1201 (Gen Ed category 1)	4	
	Gen Ed course (category 2 or 4)	3	
	Gen Ed course (category 2 or 4)	3	
SPRING	ENG1202, Analytical Writing or ENG1602 (Gen Ed category 3)	3	14
	BIO1210, Human Anatomy and Physiology II with lab, BIO1211 (Gen Ed category 1)	4	
	MAT1840 College Algebra and Trig	4	
	Gen Ed course (category 2 or 4)	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	AIC2142, APEX 2	2	17
	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 category 1)	3	
	Gen Ed course (category 2, 3 or 4)	3	
<b>JUNIOR</b>			
FALL	BIO2200, Pathophysiology	3	16
	CHE2400 Organic Chemistry I	3	
	CHE2401 Organic Chemistry Lab I	1	
	Gen Ed course (category 2, 3 or 4)	3	
	Gen Ed course (category 2, 3 or 4)	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 (category 2, 3 or 4)	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	3	15
	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>	<b>121</b>

Notes:

\*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.

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:

(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)	
_____	CHE3200	Introduction to Biochemistry, with lab, CHE3201 (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 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

General Education Requirements Catalog Year: 2023-2024

<b>Content Category #1: Exploring Scientific World</b>			<b>7 or 10 credits*</b>
Requirements: 1 Math Course (3 cr) & 1 Science course w/Lab (4 cr). A 2 <sup>nd</sup> 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 <sup>rd</sup> 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>	
<b>Content Category #2: Understanding Self and Others</b>			<b>9 credits</b>
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, IBS1420, PCH2030, POL1500, SOC2650	
<b>Content Category #3: Exploring Interdisciplinarity</b>			<b>9 or 12 credits*</b>
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, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2620, INT2655	
*OPTION: Choose 1	Interdisciplinary: a 3 <sup>rd</sup> INT course (OR a science course, Category 1)	AIC3100, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2620, INT2655	
<b>Content Category #4: Exploring the Arts and Humanities</b>			<b>9 credits</b>
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, 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	
<b>Content Category #5: Developing Professional Readiness</b>			<b>5 or 7 credits</b>
Requirements: APEX 1 – 4 (5 cr) OR AIC1100 (3 cr) & AIC			
Choose 1	APEX or ACE	AIC1100 (3 cr) or AIC1140 (1 cr)	
Choose 1	APEX	AIC2142 (2 cr)	
Choose 1	APEX	AIC3140 (1 cr)	
Choose 1	APEX	AIC4140 (1 cr)	
Choose 1 (AIC Online or RN to BSN programs only)	APEX for special programs	AIC Online program only: AIC4141 (3 cr) AIC RN to BSN program only: NUR4600 (3 cr)	