

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1005 Pthwys College Success or AIC1100 Intro to ACE (3 cr) (Gen Ed Cat 5)	3	14
	ENG 1200, Intro Acad Writing or ENG1201, English Comp (Gen Ed Cat 4)	3	
	CHE1600/01, General Chemistry I with lab	4	
	MAT1840, College Algebra and Trig	4	
SPRING	ENG1202 Analytical Writing (Gen Ed category 3)	3	17
	BIO1400/01, Biology I with lab BIO1401 (Gen Ed category 1)	4	
	CHE1700/01, General Chemistry II, with lab	4	
	Gen Ed course (category 2, 3 or 4)	3	
	Gen Ed course (category 2, 3 or 4)	3	
SOPHOMORE			
FALL	CHE2400, Organic Chemistry I, with lab	4	14
	CHE2600, Analytical Chemistry with Lab	4	
	Gen Ed course (category 2, 3 or 4)	3	
	Gen Ed course (category 2, 3 or 4)	3	
SPRING	BIO2430, Microbiology, with lab	4	17
	CHE2500, Organic Chemistry II, with lab	4	
	Gen Ed course (category 2, 3 or 4) or elective	3	
	Gen Ed course (category 2, 3 or 4) or elective	3	
	Gen Ed course (category 2, 3 or 4) or elective	3	
JUNIOR			
FALL	BIO, CHE or PHY Elective	4	14
	MAT2004, Biostatistics (Gen Ed category 1)	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 (Gen Ed Cat 5)	2	16
	CHE4050, Instrumental Chemistry with lab	4	
	BIO3450, Genetics, with lab or BIO 3410 Immunology with Lab	4	
	Gen Ed course (category 2, 3 or 4) or elective	3	
	Gen Ed course (category 2, 3 or 4) or elective	3	
SENIOR			
FALL	BIO4030, Molecular Biology with lab	4	15
	BIO, CHE or PHY Elective	4	
	BIO4899, Biology Internship or Elective	3	
	Gen Ed course (category 2, 3 or 4) or elective	3	
	Gen Ed course (category 2, 3 or 4) or elective	3	
SPRING	BIO3450, Genetics, with lab or BIO 3410 Immunology with Lab	4	13
	BIO4899, Biology Internship or Elective	3	
	Elective	3	
	Elective	3	
		TOTAL CREDITS:	120

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:

All biology majors must complete the following required biology core of courses that include:

_____	BIO1400	Biology I, with laboratory, BIO1401 (4 cr)	
_____	BIO2430	Microbiology, with laboratory, BIO2431 (4 cr)	
_____	BIO3410	Immunology, with laboratory, BIO3411 (4 cr)	
_____	BIO3450	Genetics, with laboratory, BIO3451 (4 cr)	
_____	BIO4030	Molecular Biology, with laboratory, BIO4031 (4 cr)	
_____	CHE1600	General Chemistry I, with laboratory CHE1601 (4 cr)	
_____	CHE1700	General Chemistry II, with laboratory CHE1701 (4 cr)	
_____	CHE2400	Organic Chemistry I, with laboratory CHE2401 (4 cr)	
_____	CHE2500	Organic Chemistry II, with laboratory CHE2501 (4 cr)	
_____	CHE2600	Analytical Chemistry, with laboratory CHE2601 (4 cr)	
_____	CHE4050	Instrumental Chemistry, with laboratory CHE4051 (4 cr)	
_____	MAT1840	College Algebra and Trigonometry (4 cr)	
_____	MAT2004	Biostatistics (Gen Ed category 1)	
_____	BIO4899	Biology Internship	_____ CREDITS

Choose two of the following courses:

_____	BIO2410	Animal Histology, with laboratory BIO2411 (4 cr)	
_____	BIO3400	Cell Biology, with laboratory BIO3401 (4 cr)	
_____	BIO3440	Ecology, with laboratory BIO3441 (4 cr)	
_____	BIO3460	Environmental Microbiology, with laboratory BIO3461 (4 cr)	
_____	BIO3470	Virulence in Microbial Pathogens, with laboratory BIO3471 (4 cr)	
_____	CHE3200	Introduction to Biochemistry, with laboratory CHE3201 (4 cr)	
_____	CHE3650	Spectroscopy of Organic Compounds, with CHE3651 Advanced Organic Laboratory Techniques (4 cr)	
_____	PHY1600	General Physics I, with laboratory PHY1601 (4 cr)	
_____	PHY1800	General Physics II, with laboratory PHY1801 (4 cr)	
			_____ 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)	