

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	
	BIO1400, Biology I with lab, BIO1401 (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
	BIO1500, Biology II with lab, BIO1501	4	
	MAT1840, College Algebra and Trig	4	
	Gen Ed course (category 2 or 4)	3	
SOPHOMORE			
FALL	BIO1300/1301, Prin of Microbiology with lab, or BIO2430/2431 Microbiology, with lab (Gen Ed category 1)	4	16
	CHE1600, General Chemistry I (includes CHE 1602, Review)	4	
	CHE1601, General Chemistry Lab I	1	
	MAT2400, Calculus I	4	
	Gen Ed course (category 2, 3 or 4)	3	
SPRING	AIC2142, APEX 2	2	17
	BIO2400/2401, Comparative Vertebrate Anatomy with lab, or BIO2410/2411, Histology with lab, or BIO3440/3448, Ecology with lab	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	
JUNIOR			
FALL	BIO, CHE, MAT Elective****	4	14
	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	
SPRING	AIC3140, APEX 3	1	15
	BIO, CHE, MAT Elective****	4	
	CHE2500, Organic Chemistry II	3	
	CHE2501, Organic Chemistry Lab II	1	
	Elective	3	
	Elective	3	
SENIOR			
FALL	AIC4140, APEX 4	1	16/15
	BIO4803, Senior Seminar in Biology or CHE4840, Senior Seminar in Chemistry (2 cr)	3/2	
	BIO, CHE, MAT Elective****	4	
	PHY1600, General Physics I (with PHY1602, Review)	4	
	PHY1601 General Physics I lab	1	
	Elective	3	
SPRING	BIO, CHE, MAT Elective****	4	16
	PHY1800, General Physics II (with PHY1802, Review)	4	
	PHY1801, General Physics II lab	1	
	Elective	3	
	Elective	4	
		TOTAL CREDITS:	121/122

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.

**** Approved BIO, CHE, MAT electives include BIO1200, BIO1210, BIO2XXX, BIO3XXX, CHE2XXX, CHE3XXX, MAT2XXX, or MAT3XXX

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

Major Requirements:

- _____ BIO1400 Biology I, with lab, BIO1401 (4 cr)
- _____ BIO1500 Biology II, with lab, BIO1501 (4 cr)
- _____ 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 and lab CHE2401 (4 cr)
- _____ CHE2500 Organic Chemistry II and lab CHE2501 (4 cr)
- _____ MAT2004 Biostatistics
- _____ 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

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)
- _____ BIO3440 Ecology, with lab, BIO3441 (4 cr)

_____ CREDITS

Plus one from the following courses:

- _____ BIO4803 Senior Seminar in Biology
- _____ CHE4840 Senior Seminar (2 cr)

_____ CREDITS

Additionally, all interdisciplinary science majors must complete two of the following:

- _____ MAT1840 College Algebra and Trigonometry (4 cr)
- _____ MAT2400 Calculus I (4cr)
- _____ MAT2500 Calculus II, w lab MAT2501

_____ CREDITS

Plus a minimum of 15 credit hours in courses from the following:

BIO1200, BIO1210, any 2000 or higher level in biology, chemistry, or mathematics, with the exception of courses specified by each department

- _____ () _____
- _____ () _____
- _____ () _____
- _____ () _____
- _____ () _____

_____ CREDITS

General Education Requirements Catalog Year: 2023-2024

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, 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, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2620, INT2655	
*OPTION: Choose 1	Interdisciplinary: a 3 rd INT course (OR a science course, Category 1)	AIC3100, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, 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, 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 or 7 credits
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)	