

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1140, The Undergraduate Experience (or AIC1100 or HON1104, 3 Cr)	1	14
	ENG1201, English Composition	3	
	BIO1400, Biology I with lab (BIO1401)	4	
	Gen Ed Course (Soc Aw or Cult Aw)***	3	
	Gen Ed Cours (Soc Aw or Cult Aw)***	3	
SPRING	ENG1202, Analytical Writing	3	17
	BIO1500, Biology II with lab (BIO1501)	4	
	MAT1840, College Algebra and Trig	4	
	Gen Ed Course (Soc Aw or Cult Aw)***	3	
	Elective	3	
SOPHOMORE			
FALL	BIO2400, Comparative Vertebrate Anatomy, with lab (BIO2401)	4	16
	CHE1600, General Chemistry I (includes CHE1602, Review)	4	
	CHE1601, General Chemistry Lab I	1	
	MAT2400, Calculus I	4	
	COM2200, Information and Technology	3	
SPRING	BIO2430, Microbiology, with lab (BIO2431)	4	15
	CHE1700, General Chemistry II (includes CHE1702, Review)	4	
	CHE1701, General Chemistry Lab II	1	
	MAT2004, Biostatistics	3	
	Gen Ed Course (Soc Aw or Cult Aw, or Literature)***	3	
JUNIOR			
FALL	BIO3450, Genetics, with lab (BIO3451)	4	14
	CHE2400, Organic Chemistry I	3	
	CHE2401, Organic Chemistry Lab I	1	
	Gen Ed Course (Soc Aw or Cult Aw, or Literature)***	3	
	Gen Ed Course (Soc Aw or Cult Aw, or Literature)***	3	
SPRING	BIO3440, Ecology, with lab	4	15
	BIO3XXX, Biology elective, with lab	4	
	CHE2500, Organic Chemistry II	3	
	CHE2501, Organic Chemistry Lab II	1	
	Gen Ed Course (Soc Aw or Cult Aw, or Literature)***	3	
SENIOR			
FALL	BIO4803, Senior Seminar in Biology	3	15
	BIO3XXX, Biology elective, with lab	4	
	PHY1600, General Physics I (with PHY1602, Review)	4	
	PHY1601, General Physics I lab	1	
	Elective	3	
SPRING	BIO4350, Evolution	3	14
	BIO3XXX, Biology elective, with lab	4	
	PHY1800, General Physics II (with PHY1802, Review)	3	
	PHY1801, General Physics II lab	1	
	Elective	3	
		TOTAL CREDITS:	120

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 Social Awareness, Cultural Awareness and Literature.

Major Requirements:

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

- _____ BIO1400 Biology I, with lab, BIO1401 (4 cr)
- _____ BIO1500 Biology II, with lab, BIO1501 (4 cr)
- _____ BIO2400 Comparative Vertebrate Anatomy, with lab, BIO2401 (4 cr)
- _____ BIO3440 Ecology, with lab, BIO3441 (4 cr)
- _____ BIO3450 Genetics, with lab, BIO3451 (4 cr)
- _____ BIO4350 Evolution
- _____ BIO4803 Senior Seminar in Biology

And, one of the following courses:

- _____ BIO2430 Microbiology, with lab, BIO2431 (4 cr)
- _____ BIO3400 Cell Biology, with lab, BIO3401 (4 cr)

_____ CREDITS

All biology majors must complete a minimum of 12 elective credits in biology courses at or above the 3000 level in addition to the required biology core. No more than one semester of BIO4698, 4798, 4833, or 4834 may be counted towards satisfying the requirements of the biology major.

- _____ BIO _____
- _____ BIO _____
- _____ BIO _____
- _____ BIO _____
- _____ BIO _____

_____ CREDITS

All 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)
- _____ MAT2004 Biostatistics

_____ CREDITS

Additionally, all 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 (4 cr)

_____ CREDITS

By appropriate selection of electives, students may focus their studies on any of the following areas:

Bio-Education (see education department information for professional requirements for teacher education)

Biomedical (for students interested in medical professions)

Cell and Molecular Biology

Ecology/Environmental Science

General Biology

Zoology

Plus, the following General Education courses (each line represents one course from the list, except Info & Tech Lit, as noted):

- _____ Orientation: AIC1100, AIC1140 (1 cr), or HON1104
- _____ Communication skills – Composition: ENG1201 or ENG1601
- _____ Communication skills – Composition: ENG1202 or ENG1602
- _____ Communication skills – Literature: ENG2410, 2420, 2430, 2500, 2510, 2520, 3200, 3210, 3280, 3290, 3380, 3400, 3410, 3430, 3440, 3450, 3480, 3490, 3800
- REQ _____ Quantitative Reasoning: MAT1310, 1430, 2004, 2030; PSY2302 (CRJ2302)
- _____ Information and Technological Literacy: COM2200 or, for Business majors, MIS1220 AND BUS1407
- REQ _____ Scientific Awareness (course with lab, 4 cr): Any BIO1000-level course with lab; CHE1100, 1110, 1600, 1700; PHY1010, 1020, 1030, 1050, 1600, 1800
- REQ _____ Scientific Awareness (course with lab, 4 cr): Any BIO1000-level course with lab; CHE1100, 1110, 1600, 1700; PHY1010, 1020, 1030, 1050, 1600, 1800
- _____ Cultural Awareness: AMS1100, ART1000, 1010, 1030, 1100, 1120; COM2460, 3290; HON2210; IBS1420; MUS: any course; PHI1000, 1200, 1400, 2010, 2030; THR1400; VDA2640; Any elementary or intermediate foreign language, including sign language
- _____ Cultural Awareness: AMS1100, ART1000, 1010, 1030, 1100, 1120; COM2460, 3290; HON2210; IBS1420; MUS: any course; PHI1000, 1200, 1400, 2010, 2030; THR1400; VDA2640; Any elementary or intermediate foreign language, including sign language
- _____ Social Awareness: ECO1000, 1010, 1401, 1402; HON2220; HRD2000; HST1400, 1410, 1420, 1430, 1500, 1510, 1520, 2440; POL1000, 1400, 1500; PSY1401, 1501; SOC1010, 1100, 1400
- _____ Social Awareness: ECO1000, 1010, 1401, 1402; HON2220; HRD2000; HST1400, 1410, 1420, 1430, 1500, 1510, 1520, 2440; POL1000, 1400, 1500; PSY1401, 1501; SOC1010, 1100, 1400
- _____ Social Awareness: ECO1000, 1010, 1401, 1402; HON2220; HRD2000; HST1400, 1410, 1420, 1430, 1500, 1510, 1520, 2440; POL1000, 1400, 1500; PSY1401, 1501; SOC1010, 1100, 1400
- _____ Social Awareness: ECO1000, 1010, 1401, 1402; HON2220; HRD2000; HST1400, 1410, 1420, 1430, 1500, 1510, 1520, 2440; POL1000, 1400, 1500; PSY1401, 1501; SOC1010, 1100, 1400

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)