

Major: Biology

Suggested Four-Year Major Plan (Academic Year 2016-2017)

The Suggested Four-Year Major Plan is a guide to help Caldwell University students complete their graduation requirements within four years. It is a suggested framework which builds upon the core curriculum as well as the required and elective courses within a student's major. This suggested plan does not include developmental courses. Should developmental courses be required, students will need to work with their Academic Advisor to include those additional courses; this may delay graduation in four years. Students should always meet with their Academic Advisor to further individualize their academic plans and confirm the availability of courses and course sequencing. The following credits below include the minimum required courses and credits needed to graduate. Students enrolled as full-time status may take 12-18 credits a semester.

First Year					
Fall Semester	CR	✓	Spring Semester	CR	✓
BI 101: General Biology I*	3		BI 102: General Biology II	3	
BI 101L: General Biology I Lab*	1		BI 102L: General Biology II Lab	1	
CH 111: General Chemistry I *	3		CH 112: General Chemistry II	3	
CH 111L: General Chemistry I Lab*	1		CH 112L: General Chemistry II Lab	1	
CH 011: General Chemistry, Calculation & Computation I (non-degree credit)***	(1)		CH 012: General Chemistry, Calculation & Computation II (non-degree credit) ***	(1)	
Core: FS 189 - Freshman Seminar (Freshmen only)	1		MA 131 – Foundations of Analysis II (if took MA 130) or Elective/Core	3	
Core: MA 130 – Foundations of Analysis I or higher*	3		Core: Literature – EN xxx	3	
Core: EN 111 – College Writing** (or EN 320 by placement)**	3				
Total:	15 (16)		Total:	14 (15)	
Second Year					
Fall Semester	CR	✓	Spring Semester	CR	✓
BI 207: Physiology	3		BI 210: Cell Biology	3	
BI 207L: Physiology Lab	1		BI 210L: Cell Biology Lab	1	
CH 203: Organic Chemistry I	4		CH 204: Organic Chemistry II	4	
CH 203L: Organic Chemistry I Lab	1		CH 204L: Organic Chemistry II Lab	1	
Core: Social Science	3		Core: Social Science	3	
BI 216: Statistics for Biology or MA 207: Applications of Statistics	3		Core: Modern Language - SP/FR/AS/IT	3	
Total:	15		Total:	15	
Third Year					
Fall Semester	CR	✓	Spring Semester	CR	✓
BI 315: Microbiology	3		Biology Major Elective Lecture: BI xxx****	3	
BI 315L: Microbiology Lab	1		Corresponding Major Elective Lab: BI xxxL****	1	
PY 201: General Physics I	3		PY 202: General Physics II	3	
PY 201L: General Physics I Lab	1		PY 202L: General Physics II Lab	1	
Core: PH 102: Introduction to Philosophy	3		Core: CS 115 - Essential Computer Skills (or elective/core)	3	
Core: Fine Arts – Art or Music	3		Core: TH 102 – Introduction to Christian Theology	3	
Enriched Core Cluster - (Ethical Inquiry /Global Awareness/Catholic & Dominican)	3		Enriched Core Cluster - (Ethical Inquiry /Global Awareness/Catholic & Dominican)	3	
Total:	17		Total:	17	
Fourth Year					
Fall Semester	CR	✓	Spring Semester	CR	✓
Biology Major Elective Lecture: BI xxx****	3		BI 402: Genetics	3	
Corresponding Major Elective Lab: BI xxxL****	1		BI 402L: Genetics Lab	1	
NP 341: Department Seminar*****	1		Biology Major Elective Lecture: BI xxx****	3	
Core: CO 230 – Communication Skills (or DR 102, 103, 104)	3		Corresponding Major Elective Lab: BI xxxL****	1	
Enriched Core Cluster - (Ethical Inquiry /Global Awareness/Catholic & Dominican)	3		Core: HI 101 – Roots of the West or HI 102 – The Shaping of the West	3	
Elective or MA 220: Calculus I (optional)	3 or 4		Elective 3	3	
Total:	14 or 15		Total:	14	

Total Credits Required (minimum): 123 credits

Minimum Grade in Major Courses: C

Minimum Grade in Supportive Sciences: D