

Four-Year Degree Plan: Bachelor of Science in Biology



Catalog Year:

2021-2022

This is a degree plan for completing a BS in biology in eight semesters. This document is meant to be used as a guide for planning purposes only and is intended for use in consultation with a Professional Academic or Faculty advisor.

Year One			Year Two		
Semester 1			Semester 3		
Fall		Credits	Fall		Credits
ENG 1010	Composing Arguments	3	BIO xxxx	Bio Pick One Options (Pick One)	4-5
MTH 1xxx	Quant Lit 1110 or 1111 or 1112	4	BIO 3520	General Ecology	3
xxxx	Oral Comm General Studies	3	CHE 1810	General Chemistry II	4
BIO 1080	General Biology I	3	CHE 1811	General Chemistry II Lab	1
BIO 1090	General Biology I Laboratory	1	xxxx	General Studies	3
Semester 1 Total		14	Semester 3 Total		15-16
Semester 2			Semester 4		
Spring		Credits	Spring		Credits
ENG 1020	Freshman Composition	3	xxxx	General Studies	3
BIO 1081	General Biology II	3	BIO xxxx	BIO Electives (Consult BIO Advisor)	3-5
BIO 1091	General Biology II Laboratory	1	CHE 3100	Organic Chemistry I	4
CHE 1800	General Chemistry I	4	CHE 3120	Organic Chemistry I Lab	1
CHE 1801	General Chemistry I Laboratory	1	MTH xxxx	Math #2	4
xxxx	General Studies	3			
Semester 2 Total		15	Semester 4 Total		15-17
Year Three			Year Four		
Semester 5			Semester 7		
Fall		Credits	Fall		Credits
	General Studies	3	BIO XXXX	BIO Electives (Consult BIO Advisor)	3-5
BIO 36XX	GenI Genetics or Princ of Gen	4	BIO XXXX	BIO Senior Experience Course	3-4
CHE 3110	Organic Chemistry II	3	xxxx	General Studies, Minor and/or	8
xxxx	Minor and/or	5		Elective Requirements	
	Elective Requirements			(Consult Advisor)	
	(Consult Advisor)		Semester 7 Total		14-17
Semester 5 Total		15	Semester 8		
Spring		Credits	Spring		Credits
BIO XXXX	BIO Electives (Consult BIO Advisor)	3-5	BIO XXXX	BIO Electives (Consult BIO Advisor)	3-5
xxxx	General Studies	3		to reach total 40 BIO crs with 21 UD	
	General Studies, Minor and/or	9		General Studies, Minor and/or	12
	BIO Elective Requirements			Elective Requirements	
	(Consult Advisor)			120 total credits with 40 UD crs	
				(Consult Advisor)	
Semester 6 Total		15-17	Semester 8 Total		15-17
<p><i>Students must complete all BIO courses with a grade of C- or better for them to count toward the degree. A minor is required for the Bachelor of Science in biology degree. Please also see notes on page 2.</i></p>					PROGRAM TOTAL
					120

Advisor Contact Information
<p>For more information on academic advising, please see Department of Biology Advising Page</p>

Catalog Information
<p>This four-year degree plan for completing a BS in biology in eight semesters for the Catalog Year 2021-2022. Students are responsible for consulting advisors and the MSU Denver catalog for degree requirements.</p>
<p>View the MSU Denver Catalog</p>

Course Listing

General Studies

General Studies Requirements	33
Multicultural Requirement	0-3
General Studies Total	33

Non-biology BS Requirements

CHE 1800	General Chemistry I	4
CHE 1801	General Chemistry I Laboratory	1
CHE 1810	General Chemistry II	4
CHE 1811	General Chemistry II Laboratory	1
CHE 3100	Organic Chemistry I	4
CHE 3120	Organic Chemistry I Laboratory	1
CHE 3110	Organic Chemistry II	3
MTH XXXX	One Year of Math starting with MTH 1109, MTH 1110 or above.	8
Non-biology BS Requirements Total		26

Biology, BS Required Courses

BIO 1080	General Biology I	3
BIO 1090	General Biology I Laboratory	1
BIO 1081	General Biology II	3
BIO 1091	General Biology II Laboratory	1
BIO 3520	General Ecology	3
BIO 3600	General Genetics	4
OR	OR	
BIO 3610	Genetics: Principles and Analysis	
BIO XXXX	Pick 1 Course	4-8
BIO XXXX	UD Electives	14
Specific Degree Requirements Total		40

Program Totals

General Studies Requirements	33
Multicultural Requirement	0-3
Biology, BS Required Courses	40
Non-Biology courses for BIO BS	26
Minor (18-21)*	18-21
Unrestricted Electives to reach 120 total credits	X
Total to Graduate	120

Other Information

It is essential that students meet with an academic advisor or faculty advisor for degree planning and for selection of a minor. Students must complete all BIO courses with a grade of C- or better for them to count toward the degree. A minor is required for the Bachelor of Arts in biology degree. All degree-seeking MSU Denver students must complete a multicultural requirement. Students may take their biology senior experience course either in the fall or spring semester (depending on interest in the senior experience courses offered). Please refer to your Degree Progress Report for a detailed list of General Studies, Multicultural and graduation Requirements. (Grad requirements meaning 40 UD, GPA requirements, residency, etc.)

The Department of Biology

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Office Hours (subject to change):

8:00 AM-5:00 PM Monday - Thursday

8:00 AM - 3:30 PM Friday