

BIOLOGY MAJOR AND 7-12 TEACHER EDUCATION 2021-2022

Student Name and ID		Date		
GRADUATION REQUIREMENTS				
Minimum 120 credit hours INCLUDING ALL MAJOR, USM CORE, and EDUCATION REQUIREMENTS				
Minimum of 30 credit hours, including at least 9 credit hours in the major field at the 200-level or above, must be completed at USM and a minimum overall GPA of 3.0.				
USM Core Requirements		Credits	Semester	Grade
Writing, Reading, & Inquiry 1 (WRI1)	ENG 100 College Writing	3		
Writing, Reading, & Inquiry 2 (WRI2)	ENG 102 Academic Writing	3		
Quantitative Reasoning (QR) prerequisite	MAT 108 & MAT 140 or appropriate Math Placement Score	var		
Quantitative Reasoning (QR)	MAT 152 Calculus A	4		
Creative Expression (CE)	ENG 201, THE 170, EDU 230, or any CE course	3		
Cultural Interpretation (CI)	Any CI course	3		
Science Exploration (SE)	BIO 107 Biological Principles II	4.5		
Socio-Cultural Analysis (SCA)	Any SCA course	3		
Ethical Inquiry and Social Responsibility (EISRC)	EDU 310, SED 300 or any EISRC course	3		
Diversity (DIV)	EDU 305 Foundations of Cult/Ling Diversity	3		
International (INT)	EDU 310 or any INT course	3		
Engaged Learning (EL)	EDU 100, EDU 222, EDU 305, or SED 235	3		
Writing, Reading, & Inquiry 3 (WRI3)	Any WRI3 course	3		
Senior Seminar / Capstone	Senior Seminar/Capstone	2-4		
Biology Major Requirements		Credits	Semester	Grade
Major Requirements: 69 credit hours total. All courses in the major must be passed with at least a C. You must maintain an overall GPA of 3.0.				
All of the following are required (21 credits):	BIO 105/106 Biological Principles I & Lab	4.5		
	BIO 107 Biological Principles II	4.5		
	BIO 109 Biological Principles III	3		
	BIO 201 Genetics	3		
	BIO 203 Ecology	3		
	BIO 217 Evolution	3		
ONE LECTURE AND LAB COMBINATION FROM EACH OF THE FOLLOWING AREAS				
AREA 1: Organismal Biology (choose 1)	BIO 205 Comparative Vertebrate Anatomy	5		
	BIO 231 Botany	4.5		
	BIO 291 Ornithology	4.5		
	BIO 335 Entomology	3		
	BIO 351 Invertebrate Zoology	5		
	BIO 353 Vertebrate Zoology	5		
	BIO 361/362 Parasitology & Lab	4		
	BIO 405/406 Animal Behavior & Lab	5		
AREA 2: Ecology (choose 1)	BIO 337 Marine Ecology	5		
	BIO 383 Plant Ecology	5		
	BIO 403/404 Comparative Animal Physiology & Lab	5		
	BIO 415/416 Microbial Ecology & Lab	5		
	ESP 341 Limnology	4		
	ESP 412 Field Ecosystem Ecology	4		
AREA 3: Cellular and Functional Biology (choose 1)	BIO 305/306 Developmental Biology & Lab	5		
	BIO 311/282 Microbiology & Lab	5		
	BIO 321/322 Neurobiology & Lab	5		
	BIO 381 Plant Physiology	4.5		
	BIO 401/402 Animal Physiology & Lab	5		
	BIO 409/410 Cell and Molecular Biology & Lab	5		
Electives: 2 additional biology lecture courses or one biology lecture/lab course, 200 level or above	1.			
	2.			
Chemistry (13 cr.)	CHY 113/114 Principles of Chemistry I & Lab	4.5		
	CHY 115/116 Principles of Chemistry II & Lab	4.5		
	CHY 251/252 Organic Chemistry I & Lab	5		
Physics (10 cr.)	PHY 111/114 Elements of Physics I & Lab	5		
	PHY 112/116 Elements of Physics II & Lab	5		
	OR			
	PHY 121/114 General Physics I & Lab	5		
	PHY 123/116 General Physics II & Lab	5		
Mathematics (8 cr.)	MAT 152 Calculus A	4		
	MAT 220 Statistics for the Biological Sciences	4		
Senior Seminar/Capstone		1-3		
Teacher Certification Requirements		Credits	Semester	Grade
Teacher Certification Requirements: All pre-internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Recommended Courses (6 cr.) - *Require service learning or practicum hours.	SED 300 Ethics and Youth with Exceptionalities*	3		
	EDU 310 Purpose of Schooling in a Democracy*	3		
Pre-Internship Course Requirements (18 cr.)- Must be taken and passed prior to beginning internship/student teaching. *Require service learning or practicum hours.	EDU 100 Exploring Teaching*	3		
	EDU 225 Child and Adolescent Development	3		
	EDU 222 Foundations of Lang/Lit Development.*	3		
	EDU 305 Foundations of Cult/Ling Diversity*	3		
	SED 235 Students with Exceptionalities*	3		
	EDU 442 Seminar in Teaching*	3		
Internship/Student Teaching Requirements		Credits	Semester	Grade
All internship courses need to be passed with a B- or better. Your overall GPA needs to be a 3.0 or higher.				
Internship Year/Student Teaching Course Requirements (21 cr.)	EDU 445 Student Teaching Internship (6 cr. total over two semesters)	6		
	EDU 414 Improving Teaching in Content Areas	3		
	EDU 501 Secondary Science Methods	3		
	EDU 410 Creating Positive Learning Environments	3		
	EDU 546 Testing and Assessment I	3		
	EDU 547 Testing and Assessment II	3		
Other Teacher Certification Requirements			Completion Date	
Declare Teacher Certification Concentration in MaineStreet	If you have questions please contact your advisor	<input type="checkbox"/>		
Criminal History Record Check (CHRC)	Complete prior to starting EDU courses requiring service learning/practicum hours	<input type="checkbox"/>		

THIS IS ONLY A GUIDE. FOR DETAILED INFORMATION PLEASE REFER TO YOUR ACADEMIC CATALOG

Questions? Please contact Christen Eaton, christen.eaton@maine.edu or 207-228-8315 or your Faculty Advisor

revised 6.30.21

