

Curriculum maps must be completed by both the closing institution and the receiving institution. The receiving institution should make considerations for how credit may be awarded for non-equivalent core and elective courses, as well as for students who have not yet completed their general education requirements. Please be sure to disclose any additional requirements needed for students to complete their degree at the receiving institution.

Program Name: Biology, BA			Program Name: Biology, BA		
Pine Manor College			Bridgewater State University		
Required Courses <u>with</u> an Equivalent Course at the Receiving Institution			Equivalent Courses at Receiving Institution		
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
Required Courses in Major					
BI 101	Principles of Biology	5	BIOL 121	General Biology I	5
BI 102	Principles of Biology II	5	BIOL 122	General Biology II	5
BI 205	Anatomy & Physiology	5	BIOL 251	Human Anatomy & Physiology I	5
BI 206	Anatomy & Physiology II	5	BIOL 252	Human Anatomy & Physiology II	5
BI 289	Biostatistics	4	BIOL 297	Biometry	4
BI 375	Genetics & Molecular Biology	5	BIOL 321	Genetics	5
CH 110	Principles of Chemistry I	5	CHEM 141	Principles of Chemistry I	5
CH 120	Principles of Chemistry II	5	CHEM 142	Principles of Chemistry II	5
CH 200	Organic Chemistry	5	CHEM 200	Organic Chemistry	5
CH 301	Biochemistry of Macromolecules	5	CHEM 301	Biochemistry of Macromolecules	5
			BIOL 302	Essentials of Microbiology	5
Sub Total Required Credits with Equivalent Credits		49	Sub Total Course Equivalent Credits		54
Required Courses <u>without</u> an Equivalent Course at the Receiving Institution			Recognition of Credit at Receiving Institution (if applicable)		
<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Description of How Credit Will Be Recognized (if applicable)</i> Note: Courses satisfying core requirements may also satisfy a major requirement and should seek approval with the department chairperson.		<i>Credit Hours</i>
BI 490	Senior seminar	4	Free Elective or Major Elective Credit w/department approval		4
BI 495	Senior Internship	6	Free Elective or Major Elective Credit w/department approval		6
Sub Total Required without Equivalent Courses		10			
	<i>Choose two courses from 200 level</i>	8-9	Free Elective or Major Elective Credit w/department approval		10
CH 201	Organic Chemistry II	5	Free Elective or Major Elective Credit w/department approval		5
BI 202	Evolution and Biodiversity	4	Free Elective or Major Elective Credit w/department approval		5
BI 210	Introduction to Biomedical Laboratory Sciences	4	Free Elective or Major Elective Credit w/department approval		5
BI 211	Protein in Purification Analysis	4	Free Elective or Major Elective Credit w/department approval		5
BI 212	Environmental Issues	4	Free Elective or Major Elective Credit w/department approval		5
BI 213	Techniques in Molecular Biology	5	Free Elective or Major Elective Credit w/department approval		5

BI 225	Nutrition	4	Free Elective or Major Elective Credit w/department approval	5
BI 222	CSI: Intro to Forensic Science	4	Free Elective or Major Elective Credit w/department approval	5
BI 230	Emerging Diseases	4	Free Elective or Major Elective Credit w/department approval	5
BI 240	The Biology of Women	4	Free Elective or Major Elective Credit w/department approval	4
BI 250	The Biology of HIV and Aids	4	Free Elective or Major Elective Credit w/department approval	5
BI 254	Cell Culture Techniques	5	Free Elective or Major Elective Credit w/department approval	5
BI 275	Critical Issues in Genetics for Women	5	Free Elective or Major Elective Credit w/department approval	5
BI 280	Ethical Issues in Science and Technology: America's Moral Dilemmas	4	Free Elective or Major Elective Credit w/department approval	5
BI 292	Introduction to Marine Mammals	5	Free Elective or Major Elective Credit w/department approval	5
BI 294	Marine Biology	5	Free Elective or Major Elective Credit w/department approval	5
	<i>Choose two courses from 300 level</i>	8-9	Free Elective or Major Elective Credit w/department approval	10
BI 301	Advanced Cell Biology	4	Free Elective or Major Elective Credit w/department approval	5
BI 345	Psychopharmacology	4	Free Elective or Major Elective Credit w/department approval	5
BI 360	Introduction to Epidemiology	4	Free Elective or Major Elective Credit w/department approval	5
BI 380	Pathophysiology	4	Free Elective or Major Elective Credit w/department approval	5
BI 330	Microbiology and Human Infectious Disease	5		
Sub Total Elective Credits without Course Equivalents		16-18	Sub Total Recognized Non-Equivalent Course Credits	30
Additional Required Courses at the Receiving Institution				
		Course Number	Course Title	Credit Hours
		BIOL 200	Cell Biology	4
		BIOL 225	General Ecology	4
		BIOL 4XX	Two courses at 400 level	8
			One Writing intensive in Biology major	3/4
		Sub Total Additional Required Course Credits		19-20
Distribution of General Education Requirements Attach List of General Education Offerings (Course Numbers, Titles, and Credits)	# of Gen Ed 48-53 Credits	Distribution of General Education Requirements Students who complete general education requirements at Pine Manor College will automatically fulfill Core Requirements at BSU Note: Courses satisfying core requirements may also satisfy major a major requirement. https://catalog.bridgew.edu/preview_program.php?catoid=15&poid=5384&hl=core+curriculum&returnto=search		# of Gen Ed 44-54 Credits
Ideas, Values, & Meaning	8	Core requirement		8
Art & Literature	8	Core requirement		8
Social Systems	8	Core requirement		8

Scientific Understanding	8-9	Core requirement	8-9
Writing	8-12	Core requirement	8-12
Quantitative Reasoning	4	Core requirement	4
First Year Experience & Soph. Coll.	4	TRANS Free Elective or Core Req.	4
<i>Sub Total General Education Credits</i>	48-53	<i>Sub Total General Education Credits</i>	44-54
<i>Curriculum Summary</i>	123-130	<i>Curriculum Summary</i>	
<i>Total credit hours required for degree</i>	132	<i>Note: All students must complete a minimum of 120 credits plus fulfill major & core degree completion requirements.</i>	120
<i>Prerequisite, Concentration or Other Requirements, if any</i>		<i>Prerequisite, Concentration or Other Requirements, if any:</i>	

Bridgewater State University: Biology

https://catalog.bridgew.edu/preview_program.php?catoid=15&poid=5365&returnto=1651