

Major in: Biology-Pre-Professional Advisor Signature:

Student Name: Student Signature:

Date:

Student ID:

Major 78-86 hours, 36 UD	Hrs	Has	Lacks
Required Biology Core courses: (58-60)			
BI 211, 212, 213 Principles of Biology	15		
CH 221, 222, 223 General Chemistry	15		
BI 314 Introductory Genetics	4		
BI 315 Cell Biology	4		
BI 316 Evolution	4		
BI 331 General Microbiology	4		
BI 357 General Ecology	4		
Field Biology: (choose one)	4-5		
BI 317 Vertebrate Natural History (4)			
BI 321 Systematic Field Botany (4)			
BI 361 Marine Ecology (5)			
BI 451 Invertebrate Zoology (5)			
BI 454 Plant Ecology (4)			
BI 474 Biology of Insects (5)			
Plant Biology: (choose one)	4-5		
BI 321 Systematic Field Botany (4)	1 0		
BI 330 Plant Physiology (5)			
BI 340 Plant Nutrition (4)			
BI 371 Structure of Seed Plants (4)			
BI 454 Plant Ecology (4)			
BI 454 I laint Ecology (4)			
Pre-Professional Emphasis: (19-21)			
Pre-Professional Emphasis: (19-21)			
Pre-Professional Emphasis: (19-21)  Advisor Approved Upper Division course:	4-5		
Advisor Approved Upper Division course:			
Advisor Approved Upper Division course: Choose One Option:	4-5 15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)			
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)			
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)			
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)			
Advisor Approved Upper Division course:  Choose One Option: Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12) CH 451 Biochemistry (3)  Option B: (15)			
Advisor Approved Upper Division course:  Choose One Option: Option A: (15) BI 334, 335, 336 Adv Human Anat & Phys (12) CH 451 Biochemistry (3)  Option B: (15) BI 324 Comparative Vertebrate Anatomy (5)			
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:			
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)  BI 437 Neurobiology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)  BI 437 Neurobiology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)  Option C: (16)  BI 334, 335, 336 Adv Human Anat & Phys (12)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 437 Neurobiology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)  Option C: (16)  BI 334, 335, 336 Adv Human Anat & Phys (12)  Choose One:	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)  Option C: (16)  BI 334, 335, 336 Adv Human Anat & Phys (12)  Choose One:  BI 326 Developmental Biology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)  Option C: (16)  BI 334, 335, 336 Adv Human Anat & Phys (12)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)	15-16		
Advisor Approved Upper Division course:  Choose One Option:  Option A: (15)  BI 334, 335, 336 Adv Human Anat & Phys (12)  CH 451 Biochemistry (3)  Option B: (15)  BI 324 Comparative Vertebrate Anatomy (5)  BI 434 Comparative Animal Physiology (4)  Choose One:  BI 326 Developmental Biology (4)  BI 432 Immunology (4)  BI 437 Neurobiology (4)  BI 475 Molecular Biology (4)  CH 451 Biochemistry (3)  Option C: (16)  BI 334, 335, 336 Adv Human Anat & Phys (12)  Choose One:  BI 326 Developmental Biology (4)	15-16		

December dates 0 Additional Dec			
Program notes & Additional Degree Requirement			
Biology majors, regardless of emphasis, are re	-		
a C average in courses that are used to satisfy requirements.	Joiola	jy uegi	ee
Students graduating in the various emphases of t	he hiolo	nav mai	or are
required to take a standardized exit exam in their			or arc
	,		
Each course can fulfill only one specified requirer	nent wit	hin the	major.
, ,			
BI 406 credit may be substituted for one course in	the se	lected	
emphasis with pre-approval of the student's Biolo	gy advis	sor.	
Selection of a Pre-Professional Emphasis option	requires	approv	val
from a Biology advisor as each option is designed	to add	ress sp	ecific
professional program prerequisites			
Additional Math courses may be required for som			
programs. Pre-professional students should cons	ult the a	appropri	iate
pre-professional Biology advisor.			
Minimum dograe requirements of at least			
Minimum degree requirements of at least:  180 or more total credit hours			
62 Upper Division credit hours			
45 of last 60 credits earned at WOU campus			
BA Degree Requirements			
CS 101 or higher			
MTH 112 (or MTH 251 or 252) and MTH 243			
Writing Intensive:			
-			
Foreign Language (C- or better):			
BS Degree Requirements			
CS 121 or higher			
MTH 112 (or MTH 251 or 252) and MTH 243			
CS/Math/Stats:			
Diversity:			
Writing Intensive:			
<u>-</u>			