



COCC Transfer Guide B.S. in Biology

Biology Program Overview

OSU-Cascades offers a major in biology. Issues and advances in areas such as biotechnology, environmental science, medicine and other fields continually emphasize the importance of biology and biologists in the future of our country and the world.

The biology program prepares students for diverse fields through broad, interdisciplinary training in the life sciences. This major is also ideal for students who are looking to continue from undergraduate into professional/medical programs.

Outcomes:

1. Successful integration into a research university setting: Students will demonstrate understanding of the skill set needed for successful integration into a research university setting.
2. Professional communication skills used in a health professions related career: Students will communicate professionally both verbally and in writing.
3. Student Engagement: Students will demonstrate engagement through involvement in research or internship activities, the Pre-Health Clubs (e.g. pre-nursing, pre-pharmacy, pre-medical, pre-dental, pre-physical therapy, etc.) and outreach or mentoring activities specific to their health professional discipline.
4. Life Sciences Specific Core Knowledge: Students will be able to acquire, articulate, retain and apply specialized language and knowledge relevant to life sciences.
5. Professional School Acceptance: Students will meet pre-requisite requirements for application to health professions school.

To complete a Bachelor of Science (BS) in Biology, students must complete the following degree requirements:

OSU Graduation Requirements

Baccalaureate Core

College of Science/Biology major requirements

This form details the degree requirements and the approved COCC transfer courses to meet these requirements.

Please visit the OSU-Cascades Biology program website for more details and connect with OSU-Cascades Transfer Admissions Advisor: Carmen Martinez carmen.martinez@osucascades.edu

OSU Graduation Requirements

Students pursuing a degree at OSU must meet the following requirements in addition to program and college requirements.

- 180—total number of credits required to graduate from OSU
- 60—number of upper division credits required
- 124—maximum number of credits that will transfer from a community college
- 45 of last 75 credits must be OSU credits
- Maintain a 2.0 or better university GPA

Baccalaureate Core Requirements

All Skills and Perspectives are completed with an AAOT. Within the AAOT the student will want to get the noted* classes that will apply to the Biology degree.

If a student does not complete an AAOT they will complete all Baccalaureate Core using the COCC Bacc Core course guide. http://osucascades.edu/sites/osucascades.edu/files/Advising/cocc_bacccore_courseguide_0.pdf

AAOT completes		Category	*Please note the classes listed that apply to the Biology major to be taken within the AAOT*
		SKILLS	
X		Writing I	
X		Writing II	*WR 227
X		Speech	*Biology major requires either SP 111
X	X	Math	*Completed in major (MTH 111, 112, 251, 252)
X		Fitness	
		PERSPECTIVES – No more than 2 courses from any 1 department allowed	
X	X	Biological Science	*Completed in major (BI 211)
X	X	Physical Science	*Completed in Major (CH 221)
	X	Additional Science	*Completed in Major (BI 212 or CH 222)
X		Cultural Diversity	
X		Literature and Arts	
X		Social Process & Inst.	
X		Western Culture	
X		Difference, Pwr., & Discrimination	
		Synthesis Courses –Courses may not be from the same department- OSU ONLY	
N/A		Contemporary Global Issues	Upper division OSU only
N/A		Science, Tech, and Society	Upper division OSU only

Biology Major Requirements – A grade of C- or higher is required of all courses in the major.

*Indicates requirement can be taken at COCC.

X	Course	Term	COCC Equivalent Courses
	BI 198-Biology Seminar(1)		Must be taken at OSU
	BI 298: Integrated Professional Development Seminar (1)		Must be taken at OSU
*	COMM 111 (3)		SP 111
*	WR 327 (3)		WR 227
*	BI 211 – Principles of Biology (4)		BI 211 (Please note that the biology sequence must be completed in its entirety at one institution)
*	BI 212 – Principles of Biology (4)		BI 212 (Please note that the biology sequence must be completed in its entirety at one institution)
*	BI 213 – Principles of Biology (4)		BI 213 (Please note that the biology sequence must be completed in its entirety at one institution)
*	CH 231/261 - General Chem. (4/1)		CH 221
*	CH 232/262- General Chem. (4/1)		CH 222
*	CH 233/263 - General Chem. (4/1)		CH 223
*	MTH 251- Calculus I (4)		MTH 251
*	MTH 252 – Calc. II (4)		MTH 252
*	PH 201 – Gen Physics (5)		PH 201
*	PH 202 – Gen Physics (5)		PH 202
*	PH 203 – Gen Physics (5)		PH 203
	CH 331 - Organic Chem. (4)		No equivalent at COCC
	CH 332 – Organic Chem. (4)		No equivalent at COCC
	CH 337 – Organic Chem. (4)		No equivalent at COCC
	BB 314 – Cell Biology (4)		No equivalent at COCC
	BB 450 – General Biochem (4)		No equivalent at COCC
	BB 451 – General Biochem (3)		No equivalent at COCC
	ST 351 – Intro to Stat Methods (4)		No equivalent at COCC
	ST 352 – Intro to Stat Methods (4)		No equivalent at COCC
	BI 311 – Genetics (4)		No equivalent at COCC
	BI 370 – Ecology (3)		No equivalent at COCC
	MB 302 & MB 303-Gen Micro (3/2)		No equivalent at COCC
	BI 445 – Evolution (3)		No equivalent at COCC

Organismal Biology (choose 1 course)			
	Z 477-Aquatic Entomology (4) Z 371/372-Vertebrate Biology (3/2)		No equivalent at COCC No equivalent at COCC
Physiology (choose 1 course)			
	Z423-Envir. Physio (3)		No equivalent at COCC
Biology and Society (choose 1 course)			
	BB 332-Molecular Medicine (3) MB 330-Disease & Society (3) Z 349-Biodiversity (3)		No equivalent at COCC No equivalent at COCC No equivalent at COCC
Writing Intensive Requirement (choose 1 course)			
	BI 317-Scientific Theory & Practice BI 371-Ecological Methods (3)		No equivalent at COCC No equivalent at COCC
Complete 1 course minimum 3 credits			
	Track 1: Integrative Biology Course		No equivalent at COCC
	Track 2: Experiential Credits		No equivalent at COCC
Senior Field Test			
	BI 498 – Biology Major Field Test		Taken your final term (Spring if Summer is final term)

Disclaimer: Information is for OSU-Cascades only and is subject to change with curriculum changes. Catalog year refers to the year students are admitted to OSU and declare the Biology Major.