

Bachelor of Science - Biology COCC Transfer Guide

Oregon State University Graduation Requirements:

- 180 – total number of credits required to graduate from OSU
- 60 – number of upper division credits required (300-400 level courses)
- 135 – Maximum number of transfer credits
- 45 out of last 75 credits must be completed through OSU credits.
- Max 18 course withdraws (W grade) & Max 11 credits in PAC (Physical Activity Coursework)

Connect with OSU-Cascades Transfer Admissions Advisors for questions:

- <https://osucascades.edu/admissions/admissions-advising>

BACCALAUREATE CORE Requirements-		
<ul style="list-style-type: none"> ▪ COCC Bacc Core Guide: https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-central-oregon-community-college ▪ Transfer students who have an AAOT have all Skills and Perspectives completed. ▪ Students with AAOT still need to complete Synthesis for Bacc Core. 		
Skills	Non-AAOT Track COCC coursework	AAOT Track
Fitness	HHP 295	AAOT Completes
Mathematics (3-4cr)	Fulfilled by Major (MTH 251 & MTH 252)	AAOT Completes
Writing I (4cr)	WR 121	AAOT Completes
Writing II (4cr)	Fulfilled by Major (WR 227)	AAOT Completes
Speech (3cr)	Fulfilled by Major (COMM 111)	AAOT Completes
Perspectives: No more than two courses from the same department may be used to satisfy Perspectives Categories.		
Cultural Diversity (3-4cr)	See COCC Bacc Core guide	AAOT Completes
Literature & Arts (3-4cr)	See COCC Bacc Core guide	AAOT Completes
Soc. Processes & Institutions	PSY recommended for pre-health professions	AAOT Completes
Western Culture (3-4cr)	See COCC Bacc Core guide	AAOT Completes
Physical Science (4cr)	Fulfilled by Major (CH 2XX sequence)	AAOT Completes
Biological Science (4cr)	Fulfilled by Major (BI 2XX sequence)	AAOT Completes
Additional Phys or Bio Science (4cr)	Fulfilled by Major (CH 2XX & BI 2XX sequence)	AAOT Completes
Difference, Power, & Discrimination (3-4cr)	See COCC Bacc Core guide	AAOT Completes
Synthesis: Must be upper division and no more than two courses from the same department may be used.		
Contemporary Global Issues (3-4cr)	<i>OSU Upper Division Coursework Only</i>	<i>OSU Only</i>
Science, Tech & Society (3-4cr)	<i>OSU Upper Division Coursework Only</i>	<i>OSU Only</i>

BIOLOGY MAJOR Rules:

- **GPA requirement:** The Biology major requires a 2.0 cumulative OSU **and** major GPA to graduate. C- requirement for Biology (BI 2XX), Math (MTH) and Chemistry (CH).
- **S/U and withdraw (W):** Biology students cannot S/U major courses and are only allowed [18 course withdraws](#)
- **Class Retakes:** OSU academic regulations often result in retakes not working the way students expect in terms of their GPA and requirements. If you are considering repeating a course you first completed at OSU or another school or you are repeating any OSU course for the third time, you should bring this to the attention of your advisor and reference [Academic Regulation 20](#).
- **Major courses are listed in order of priority.** Students planning to finish in four years should average 15 credits a term.

Biology Major Requirements

Biology Core Courses	Pre(Co)Requisites	COCC Equivalent Courses	X
BI 198-Biology Seminar(1)		<i>No equivalent at COCC</i>	
COMM 111 – Public Speaking (3)		COMM 111 – Public Speaking (4)	
WR 327 – Technical Writing (3)	WR 121 (C-)	WR 227 – Technical Writing (4)	
MTH 251 – Calculus I(4)	MTH 112 (C-)	MTH 251 – Calculus I (4)	
MTH 252 – Calculus II(4)	MTH 251 (C-)	MTH 252 – Calculus II (4)	
ST 351 Introduction to Statistical Meth.(4)		<i>No equivalent at COCC</i>	
ST 352 Introduction to Statistical Meth.(4)	ST 351	<i>No equivalent at COCC</i>	
CH 231 & 261 General Chem. & Lab (4+1)	MTH Placement	CH 221 – General Chemistry I (5)	
CH 232 & 262 General Chem. & Lab (4+1)	CH 231/261 (C-)	CH 222 – General Chemistry II (5)	
CH 233 & 263 General Chem. & Lab (4+1)	CH 232/262 (C-)	CH 223 – General Chemistry III (5)	
BI 221 Principles of Biology: Cells (4)	CH 231/261	BI 211 – Principles of Biology (5)	
BI 222 Principles of Biology: Organisms (4)	Sequence must be completed at the same institution.	BI 212 – Principles of Biology (5)	
BI 223 Principles of Biology: Populations (4)		BI 213 – Principles of Biology (5)	
CH 331 Organic Chemistry (4)		<i>No equivalent at COCC</i>	
CH 332 Organic Chemistry (4)	CH 233/263 (C-)	<i>No equivalent at COCC</i>	
CH 337 Organic Chemistry Lab (4)	CH 332	<i>No equivalent at COCC</i>	
BB 450 General Biochemistry (4)	CH 332	<i>No equivalent at COCC</i>	
BB 451 General Biochemistry (3)	BB 450	<i>No equivalent at COCC</i>	
BB 314 Cell and Molecular Biology (4)	BI 221, 222, 223 (C-); CH 331	<i>No equivalent at COCC</i>	
BI 311 Genetics (4)	BI 221, 222, 223 (C-)	<i>No equivalent at COCC</i>	
BI 370 Ecology (3)	BI 221, 222, 223 (C-)	<i>No equivalent at COCC</i>	
BI 445 Evolution (3)	BI 311	<i>No equivalent at COCC</i>	
MB 302 Gen. Microbiology & 303 Lab (3+2)	CH 332; BI 221 and 222 (C-)	<i>No equivalent at COCC</i>	
PH 201 General Physics (5)	MTH 112 or higher	PH 201 – General Physics I (5)	
PH 202 General Physics (5)	MTH 112 or higher	PH 202 – General Physics II (5)	
PH 203 General Physics (5)	MTH 112 or higher	PH 203 – General Physics III (5)	
Biology and Society (Select one from the following)			
BB 332 Molecular Medicine (3)		<i>No equivalent at COCC</i>	
MB 330 Disease and Society (3)		<i>No equivalent at COCC</i>	
Z 349 Biodiversity (3)		<i>No equivalent at COCC</i>	
Organismal Biology (Select one from the following)			
Z 477 Aquatic Entomology (4)	BI 22X (C-), junior standing	<i>No equivalent at COCC</i>	
Z371 Vertebrate Bio. & Z 372 Lab (3+2)	BI 221, 222, 223 (C-)	<i>No equivalent at COCC</i>	
Physiology (Select one from the following)			
Z 423 Environmental Physiology (3)	BI 22X (C-); CH 233/263 (C-)	<i>No equivalent at COCC</i>	
Writing Intensive Course (WIC) (select one of the following or see option)			
BI 319 Critical Thinking & Comm. (3)	BI 221, 222, 223 (C-), ST 351	<i>No equivalent at COCC</i>	
BI 371 Ecological Methods (3)	BI 370	<i>No equivalent at COCC</i>	
Experiential Learning or Integrative Biology Elective (Complete one of the two tracks below)			
Track I: Experiential Learning			
BI 410: Internship(3) OR BI 401: Research(3)		<i>No equivalent at COCC</i>	
Track II: Integrative Biology Course (select one course)			
Z 371 Vertebrate Bio. AND Z 372 Lab (3+2)	BI 211, 212, 213 (C-)	<i>No equivalent at COCC</i>	
BI 495 Disease Ecology (3)	BI 370	<i>No equivalent at COCC</i>	
BI 375 Field Methods in Eco. Restoration (4)		<i>No equivalent at COCC</i>	
BI 498 Senior Biology Major Field Test – FINAL TERM or spring if graduating summer term (reg required)			

*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.