

Clackamas Community College Transfer Guide for Biology & Zoology Majors (Majors in the Dept. of Integrative Biology)

Biology

Biologists are interested in all aspects of living things, from their individual cellular processes to how they function in ecosystems. As a discipline, Biology is central to areas such as medicine, agriculture, and conservation.

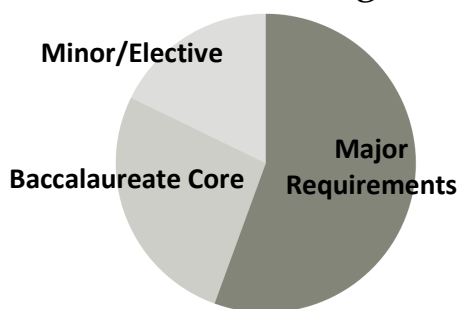
Students in Biology are prepared for a variety of life sciences careers, and the major includes transcript visible options in: Ecology, Genetics, Marine Biology, Pre-Dentistry, Pre-Education, Pre-Medicine and Pre-Veterinary Medicine. (Choosing an option is not required). After receiving their B.S. degree from OSU, many Biology students go on to science graduate and profession programs.

Zoology

Zoologists are interested in all aspects of animals including, but not limited to, their diversity, physiology, ecology, evolution and conservation. The Zoology major prepares students for application of this knowledge in a variety of areas.

Zoology students enter careers such as museum curation, informal education, animal care and husbandry, government agencies, environmental consulting, and wildlife and field biology (Zoology is NOT appropriate for those interested in being Pre-Vet— See Biology).

Your Bachelor's Degree in the OSU College of Science:



- A minimum of 180 credits are required for graduation. 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 can be accepted.
- See OSU Catalog for a list of courses required for your major and option: <http://catalog.oregonstate.edu/DegreeSearcher.aspx?formstate=undermajors>

Courses for these Majors: (offered at the community college)

Mathematics and General Chemistry, as well as some Bacc Core classes are priority courses to complete before transferring to OSU.

Requirement	CCC Equivalent	OSU Courses for Biology Majors	OSU Courses for Zoology Majors
Mathematics	MTH 251, MTH 252	MTH 251, MTH 252	MTH 251, MTH 252
	<i>Depending on math placement, students may need to take math courses prior to MTH 251 (e.g., MTH 111, 112, or others). Please speak to your CCC advisor. The OSU Math Department enforces prerequisites of C- or better for all Math courses in order to move on to higher level Math courses.</i>		
General Chemistry	CH 221, 222, 223	CH 231/261, 232/262, 233/263 <i>Lecture and lab have separate course numbers at OSU (Lecture/Lab).</i>	CH 231/261, 232/262, 233/263 <i>Lecture and lab have separate course numbers at OSU (Lecture/Lab).</i>
	<i>Students need a C- or higher in the Chemistry 200-series (OSU or transfer) before moving on to upper division (300-400 level) Chemistry courses.</i>		
Principles of Biology	BI 211, 212, 213**	BI 211, 212, 213**	BI 211, 212, 213**
	<i>**Students should take the entire series at either CCC or OSU. Do not split series between schools. Students need a C- or higher in BI 211, 212, & 213 (OSU or transfer) before moving on to upper division (300-400 level) Biology & Zoology courses.</i>		
Physics	PH 201, 202, 203	PH 201, 202, 203	Not Required
Organic Chemistry	CH 241, 242, 243 lower division credit**	CH 331, 332, 337 **Must pass ACS Organic Exam to receive upper division credit. http://chemistry.oregonstate.edu/organic_chem_transfer	CH 331, 332 (337 Recommended) **Must pass ACS Organic Exam to receive upper division credit. http://chemistry.oregonstate.edu/organic_chem_transfer
Writing I	WR 121	WR 121	WR 121
Writing II	WR 122 or WR 227 [^] - preferred ([^] transfers as lower division credit)	WR 222 or WR 327	WR 222 or WR 327
Communications	COMM 111 or COMM 218* - preferred for human pre-health professions students (not pre-vet)	COMM 111 or COMM 218* - preferred for human pre-health professions students (not pre-vet)	COMM 111 only

General Education Courses: (called the Baccalaureate Core)

- Complete one course in each Perspectives category with no more than two in the same department.
- The Oregon AAOT satisfies all lower division requirements of the Baccalaureate Core (all **but** Synthesis Courses[†]).
- The College of Science allows courses to double count between your major and the Baccalaureate Core.
- See Baccalaureate Core transfer guide* for specific community college courses meeting these requirements:
<http://oregonstate.edu/admissions/main/baccalaureate-core-course-equivalencies>

SKILLS COURSES	Math	Completed as part of major. Required to transfer.
	Writing I	WR 121. Required to transfer.
	Writing II	Limited number of acceptable options for OSU Biology & Zoology majors, see front page*
	Speech (Writing III)	Limited number of acceptable options for OSU Biology & Zoology majors, see front page*
PERSPECTIVES COURSES	Fitness	HPE 295
	Biological Science	Completed as part of major
	Physical Science	Completed as part of major
	2nd Biological or Physical Science	Completed as part of major
	Cultural Diversity	Many options, see transfer guide*
	Literature and the Arts	Many options, see transfer guide*
DPD COURSE	Social Processes and Institutions	Many options, see transfer guide*
	Western Culture	Many options, see transfer guide*
SYNTHESIS COURSES[†]	Difference, Power, & Discrimination	Many options, see transfer guide*
	Contemporary Global Issues	Upper division course, take at OSU
	Science, Technology, & Society	Upper division course, take at OSU

Important Notes and Resources:

- For science students, the best time to transfer is fall term, particularly due to the science series courses. Talk with an OSU advisor about your specific timeline.
- Students do not have to complete a transfer degree in order to transfer to OSU. Following the sample two-year plan below can help ease the transfer.
- Preparing to apply to OSU? See admissions info: <http://oregonstate.edu/admissions/transfer.html>
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: <http://oregonstate.edu/partnerships/students>

Example Two-Year Transfer Plan:

This is one possible plan based on full-time attendance. See your community college academic advisor to create your personalized plan.

	Fall Term	Winter Term	Spring Term
Year 1	Math General Chemistry WR 121	Math General Chemistry Bacc Core	Math General Chemistry Bacc Core
Year 2	Math (if needed) or Bacc Core Principles of Biology Organic Chemistry (<i>or Physics, but Organic Chemistry preferred</i>)	Math (if needed) or Bacc Core Principles of Biology Organic Chemistry (<i>or Physics, but Organic Chemistry preferred</i>)	Math (if needed) or Bacc Core Principles of Biology Organic Chemistry (<i>or Physics, but Organic Chemistry preferred</i>)

Advising Contacts:

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first, and use this Transfer Guide to help you plan.** Also, consider visiting OSU to take a campus tour and meet with an advisor. See <http://oregonstate.edu/visitosu/tour> to schedule your personalized visit.

Clackamas Community College <http://www.clackamas.edu/Advising/Advising.aspx>

OSU Biology & Zoology <http://ib.oregonstate.edu/future-undergrads>
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