TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered Through:

CORVALLIS

Klamath Community College

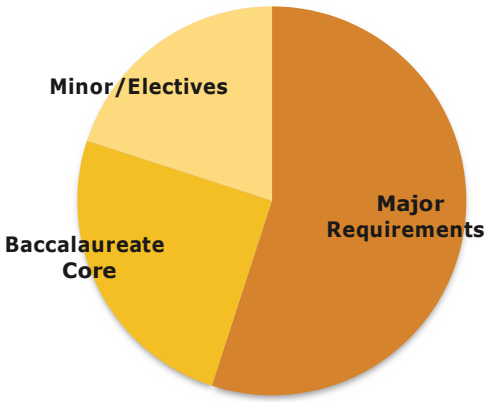
Biochemistry & Molecular Biology

The Biochemistry & Molecular Biology degree provides a degree path centered on the molecular basis of living systems with training in molecular genetics, biochemistry, and cell biology, as well as in rapidly developing areas such as bioinformatics. Majors must select an option either in Advanced Molecular Biology, Computational Molecular Biology, or Pre-Medicine. The first two options are designed for students interested in careers in the biotechnology and pharmaceutical industries or graduate work in the molecular life sciences, with the second especially well-suited for students interested in computational aspects of molecular biology. The third option is ideal for students interested in careers in medicine and related health professions.

Biochemistry & Molecular Biology Options

- Advanced Molecular Biology
- Computational Molecular Biology
- Pre-Medicine

Your Bachelor's Degree (BS) in the 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.
- Some courses can count towards your major and the Baccalaureate Core. Check with your advisor.
- Options available. See "Important Notes".
- See the OSU Catalog for a list of courses required for your major and option: catalog.oregonstate.edu

Courses for this Major (offered at Klamath Community College)

Priority courses to complete before transferring are distinguished by [P]

Requirement	KCC Course	OSU Courses for Biochemistry & Molecular Biology Majors	Notes
Mathematics [P]	MTH 111, MTH 112, MTH 251, MTH 252	MTH 111, MTH 112, MTH 251, MTH 252	Math placement determines where students begin in math. Please speak to your KCC advisor.
General Chemistry [P]	CHE 221/221L, 222/222L, 223/223L	CH 231/261, 232/262, 233/263	Lecture & lab for Chemistry have separate course numbers at OSU
Principles of Biology	BI 211/221L, 212/212L, 213/213L	BI 211, 212, 213	Students should take the entire series at either KCC or OSU. **Individual terms do not match between the two schools.**
Physics	PHY 201/201L, 202/202L, 203/203L	PH 201, 202, 203	
Organic Chemistry	CHE 241/241L, 242/242L, 243/243L	CH 331, 332, 337	Must pass the ACS organic exam offered as part of KCC course to receive upper division credit: https://chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies#UGOCCC

Oregon State University

Important Notes & Resources

Important Notes for the College and Major:

- Grade requirements: C- or better in all lower division math, biology, and chemistry coursework
- See a sample degree plan by searching "Biochemistry and Molecular Biology" at admissions.oregonstate.edu/find-your-major
- Option required. Select from: Advanced Molecular Biology, Computational Molecular Biology and Pre-Medicine
- Other similar majors to explore: Biochemistry & Biophysics and Biology with a Genetics option
- Math, Chemistry and some Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Biochemistry & Molecular Biology students, the best time to transfer is fall term, particularly due to the required three term science series courses. Talk with the College of Science Transfer Advisor about your specific timeline.
- It is important to speak with the College of Science Transfer Advisor early on, and often, to ensure correct course selection and sequencing.

Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU.
  - If you've completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See admissions info: oregonstate.edu/admissions/transfer.html
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus

General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspectives category with no more than two in the same department.
- For full listing of courses that fulfill Baccalaureate Core, please refer to https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-klamath-community-college

SKILLS COURSES	Math Writing I Writing II Speech Fitness	Completed as part of major. WR 121. Required to transfer. Many options, see BaccCore link above Many options, see BaccCore link above PE 231
PERSPECTIVE COURSES	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Completed as part of major Completed as part of major Completed as part of major Many options, see BaccCore link above Many options, see BaccCore link above Many options, see BaccCore link above Many options, see BaccCore link above
DPD COURSE	Difference, Power, & Discrimination	Many options, see BaccCore link above
SYNTHESIS COURSES	Contemporary Global Issues Science, Technology, & Society	Upper division course, take through OSU Upper division course, take through OSU

It is important to speak with the College of Science Transfer Advisor early on, and often, to ensure correct course selection and sequencing.

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 visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

Advising Contacts & Resources

Klamath Community College	http://www.klamathcc.edu/Academics/Academic-Advisors
OSU College of Science Transfer Advisor	Melissa Lee, Melissa.Lee@oregonstate.edu, 541-737-3522
OSU Science Success Center	sciencesuccess@oregonstate.edu, 541-737-3854
OSU Biochemistry & Molecular Biology Website	https://biochem.oregonstate.edu