

Oregon State University and Clackamas Community College Transfer Guide
(last updated 2/21/08)

Chemistry, Physics, and Computational Physics Majors

This guide is subject to change without notice. Students should consult an OSU academic advisor at their earliest opportunity in order to facilitate the transfer process. In general, lower division chemistry, physics, and math courses should be completed in the first two years in order not to delay graduation. Chemistry students should have organic chemistry and physics before transferring in order to finish in 2 years at OSU.

OSU Baccalaureate Core	Cr.	Community College Equivalent	Notes/Exceptions:
SKILLS COURSES (15):			
Writing I	3	WR 121	
Writing II	3	*	
Writing III / Speech	3	*	
Mathematics	3	Met by major requirements	
Fitness	3	HPE 295	
PERSPECTIVES COURSES (24):			
Biological Science	4	*See Biology below	
Physical Science	4	Met by major requirements	
One Additional Course in Bio or Phys Science	4	Met by major requirements	
Cultural Diversity	3	*	
Literature and the Arts	3	*	
Social Processes and Institutions	3	*	
Western Culture	3	*	
DPD COURSE (3):			
Difference, Power & Discrimination	3	*	
SYNTHESIS COURSES (6 upper div):			
Science, Technology & Society	3	Take at OSU	
Contemporary Global Issues	3	Take at OSU	

*See a counselor or academic advisor for a list of approved courses or consult the articulation tables on the web at http://oregonstate.edu/admissions/transfer/bacc_core_1140.html No more than two courses from any one department may be used to satisfy the Perspectives category of the core. The Oregon AAOT satisfies all lower division requirements of the Baccalaureate Core (everything except Synthesis.)

College Core Requirements

OSU Program	Cr.	Community College Equivalent
12 cr. Mathematical sciences	12	Must have 12 credits of mathematical sciences. May include statistics and one course in computer science. May double count with major courses.
15 credits of physical, earth, and/or biological sciences to include a two-term sequence	15	Met by major requirements

Major Requirements

OSU Program	Cr.	Community College Equivalent
Biology	4-15	Biochemistry major and some options in Chemistry including Pre-medicine require BI 211, 212, 213; otherwise one Biology course to meet Bacc Core is sufficient.

Chemistry major		
CH 221, 222, 223	15	CH 221, 222, 223
PH 211, 212, 213, 221, 222, 223	15	PH 211, 212, 213 (some options in Chemistry require only PH 201, 202, 203)
MTH 251, 252, 253, 254	16/19	MTH 251, 252, 253, 254 (some options in Chemistry do not require MTH 253)
CH 334, 335, 336, 361	12/15	CH 241, 242, 243. Adequate completion of this series (grades of B or better) will generally meet the CH 334, 335, 336, 361 requirement at OSU, but will transfer in as lower division credit. Students who have passed the entire organic chemistry sequence at Clackamas with a grade of B or better may receive upper division (300 level) credit at OSU with an acceptable score on the ACS national exam. See http://www.chemistry.oregonstate.edu/undergrad/advising/organicchemistrytransfer.htm for further details.
Physics major		
MTH 251, 252, 253, 254, 255, 256	24	MTH 251, 252, 253, 254, 256. Note: MTH 255 is also required for Physics majors, but is not offered at Clackamas.
PH 211, 212, 213, 221, 222, 223	15	PH 211, 212, 213
CH 221, 222, 223	15	CH 221, 222, 223
Computational Physics major		
MTH 251, 252, 253, 254, 255, 256	28	MTH 251, 252, 253, 254, 256. Note: MTH 255 is also required for Computational Physics majors, but is not offered at Clackamas.
PH 211, 212, 213, 221, 222, 223	15	PH 211, 212, 213
CH 221, 222	10	CH 221, 222
CS 161, 162, 261	8	CS 161, 162, 260

Important web sites:

Oregon State University <http://oregonstate.edu>
 Transfer Student Information <http://oregonstate.edu/admissions/transfer.html>
 OSU College of Science <http://science.oregonstate.edu>
 Advising in the College of Science <http://science.oregonstate.edu/node/50>
 Degree Partnership Program <http://oregonstate.edu/partnerships/students/>

CONTACTS:

Department of Chemistry 541-737-2081

<http://www.chemistry.oregonstate.edu/undergrad/>

Department of Physics 541-737-4631

<http://physics.oregonstate.edu/uginfo>

NOTE:

- A minimum of 180 credits are required for graduation. 60 must be upper division (300 & 400).
- A maximum of 124 credits earned at a community college may be applied toward a baccalaureate degree.
- Only courses with letter prefixes and number above 100 are accepted at OSU. 12 quarters of professional technical are transferable as general elective, pass credits.
- Departments, schools or colleges at OSU may restrict the courses used by their major students to satisfy each general educational component.
- OSU will accept D grades. Some departments, schools or colleges within OSU may not accept D's in required courses.
- This guide is subject to change without notice. Students should visit with an OSU advisor if they have any questions.
- Transfer students should apply for admission to OSU.

Priority OSU application deadline dates:

<u>Term of Entry</u>	<u>Freshman Applicants</u>	<u>Transfer Applicants</u>	<u>International</u>
Summer	February 1	May 1	March 15
Fall	February 1	May 1	June 15
Winter	December 1	November 1	September 15
Spring	March 1	March 1	December 15