

Oregon State University and Leeward Community College Transfer Guide
(last updated 2/25/08)

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	*ENG 100	
Writing II	3	*ENG 201 or 215 or 225	
Writing III / Speech	3	*SP 251 (not SP 151)	
Mathematics	3	Met by major requirements	
Fitness	3	*	
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	*REL 150	
Literature and the Arts	3	*ART 101	
Social Processes and Institutions	3	*PSY 100 or SOC 100 or ECON 130	
Western Culture	3	*HIST 151 or 152	
DPD COURSE (3):			
Difference, Power & Discrimination	3	*HIST 281	
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 other approved courses.

The AA Direct Transfer Degree from Leeward Community College will meet all of the OSU Bacc Core, except for the 2 courses in the Synthesis category.

No more than two courses from any one department may be used to satisfy the Perspectives category of the core.

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	4-12	Some options in Chemistry including Pre-medicine require BIOL 171 + 171L and BIOL 172 + 172L (must have laboratories); otherwise either BIOL 171 or 172 with lab to meet Bacc Core is sufficient.

CH 221, 222, 223	15	CHEM 161B & 162B.
PH 211, 212, 213	12	PHYS 170 & 170L, PHYS 272 & 272L.
MTH 251, 252, 253, 254	16	MTH 205 & 206. Consult an OSU Chemistry or Physics advisor about the additional math required for these majors.
CH 334, 335, 336, 361 (Chem majors only)	12	Not available at Leeward Community College. Take CHEM 272-273 & 272L-273L at University of Hawaii-Manoa. 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.
MTH 255, 256 (Physics majors only)	4	Consult an OSU Physics advisor about the additional math needed for the Physics and Computational Physics majors.

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