

Engineering, Environmental

Transfer Guide for Associate of Science: Oregon State University

This Transfer Guide is for students transferring to
Oregon State University only with a major in Mechanical Engineering

NOTE: All students must meet with your major Academic Advising team at Lane to assure information is accurate and current. Major requirements are different from four-year college to four-year college and may change every year. Associate degree requirements can also change from year to year. This is a Guide only and is not guaranteed to encompass all major/program requirements - these are obtained through your Lane Academic Advising team.

Lane Community College offers the lower division major and general education courses needed for students pursuing Horticulture major at the Oregon State University. The general education and major courses in the Transfer Guide meet the requirements for the Associate of Science: Oregon State University degree. Completing all courses may take longer than two years.

Transfer degrees require a total of 90 transferable credits, with specific general education requirements in Foundational Skills and Discipline Studies.

With the completion of the Associate of Arts Oregon Transfer (AAOT) degree or the Associate of Science Oregon Transfer -Bus/ C.S. degree, students admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. With the completion of the Associate of Science: University of Oregon (AS: UO) degree or the Associate of Science: Oregon State University (AS: OSU) students admitted to each respective university (UO/OSU) will fulfill many lower division general education requirements and are granted junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities allow students who have earned the AAOT with a GPA of 2.0 or better to apply for admission.

Students who graduated high school or received a GED in 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to complete college-level second language coursework.

Prerequisites are required for some courses. See course descriptions.

See Associate of Science: Oregon State University degree requirements for approved Discipline Studies.

Associate of Science: Oregon State University courses must be completed with a minimum grade of Pass or C- with no more than 16 credits P graded. There is a minimum 2.0 GPA requirement for graduation.

Grading options and GPA requirements for majors may differ from degree requirements. All major courses listed below must be completed to meet lower division major requirements at the four year college. Some programs/majors at specific four-year colleges may have a separate application process. Please meet with the major

Academic Advising team for up to date information. For information about the Academic Advising teams, please see the "Transfer" section in this catalog.

Transfer Guide Engineering, Environmental with Associate of Science Transfer: Oregon State University degree

Pre-Engineering (PRE-E) courses required by College of Engineering for admission into the Professional School and used for Pre-E GPA Calculation:

	Credits
MTH 251 Differential Calculus	5
MTH 252 Integral Calculus	5
MTH 253 Infinite Series & Sequences.....	5
MTH 254 Vector Calculus 1.....	4
MTH 256 Differential Equations.....	4
MTH 261 Linear Algebra.....	2
PH 211 Physics with Calculus 1.....	5
PH 212 Physics with Calculus 2	5
PH 213 Physics with Calculus 3	5
CH 221 General Chemistry 1.....	5
ENGR 102 Engr. Orient. 2 (Matlab)	4
ENGR 211 Statics	4
ENGR 212 Dynamics.....	4
WR 121 Intro to Academic Writing	4
Choice of one:	4
COMM 111 Fundamentals of Public Speaking or	
COMM 112 Persuasive Speech	

Additional courses expected by the School for entry into the Professional Program; these courses are prerequisites for junior year course work:

CH 222 General Chemistry 2.....	5
CH 223 General Chemistry 3.....	5
CH 241 Organic Chemistry 1*	5
CH 242 Organic Chemistry 2*	5
CH 243 Organic Chemistry 3*	5

Required for completion of major requirements for B.S. degree; recommended, but not required to complete prior to admission to Pro School:

WR 227 Technical Writing	4
ENGR 101 Engineering Orientation.....	3
ENGR 115 Engineering Graphics	3
ENGR 213 Strength of Materials	4
BI 234 Introductory Microbiology.....	4

Remaining requirements for the Associate of Science: Oregon State University Degree

HE 275 Lifetime Health and Fitness.....	3
Western Culture – see AS: OSU approved listing	3-4
Cultural Diversity – see AS: OSU approved listing	3-4
Literature and the Arts – see AS: OSU approved listing	3-4
Social Processes and Institutions – see approved	
AS: OSU approved listing	3-4
Difference, Power and Discrimination – see AS: OSU	
approved listing	3-4

*Taking CH 241-243 at Lane will satisfy OSU's Biology major requirement but student will receive lower-division credit at OSU. Upon passing the American Chemical Society (ACS) organic chemistry equivalency test offered to Lane students after completion of CH 243, students can receive up to 15 credits of upper-division organic chemistry credits at OSU.