

# Computer Science Transfer

This is a transfer plan for students interested in pursuing a bachelor's degree in computer science. A transfer plan is not the same as a state-approved vocational program in which a student earns a degree or certificate with a vocational major issued by the Lane Board of Education.

Lane Community College offers the first two years of college core computer science and general education courses needed for computer science major disciplines. The AAOT course of study shown below includes lower division general education requirements accepted for a degree at a 4-year state institution in Oregon. Certain computer science degree options may require additional courses. Most Lane students transfer to the University of Oregon or Oregon State University, but many have continued successfully at other well-known schools. At the earliest opportunity, an interested student should meet with one of Lane's Computer Science program advisors. A well-planned course of study at Lane is essential to ensure a smooth transition to a university. In addition, it is very important for a transfer student to consult the computer science advisor at the specific intended transfer college or university.

## Transfer Plan

CS 160 Orientation to Computer Science <sup>5,G</sup> .....	4
CIS125D Software Tools 1: Databases .....	4
Choice of	
CS 161J Computer Science 1 <sup>G</sup> .....	4
CS 161C+ Computer Science 1 <sup>G</sup> .....	4
Choice of	
CS 162J Computer Science 2 <sup>G</sup> .....	4
CS 162C+ Computer Science 2 <sup>G</sup> .....	4
CS 260 Data Structures <sup>4,G</sup> .....	4
CS 271 Computer Architecture and Assembly Language <sup>4,G</sup> .....	4
CS 275 Database Program Development <sup>4,G</sup> .....	4
MTH 111 College Algebra .....	5
MTH 097 Geometry .....	4
MTH 112 Trigonometry .....	4
MTH 231 Discrete Mathematics 1 <sup>G</sup> .....	4
MTH 232 Discrete Mathematics 2 <sup>G</sup> .....	4
MTH 233 Discrete Mathematics 3 <sup>3,G</sup> .....	4
MTH 251 Calculus 1 <sup>G</sup> .....	5
MTH 252 Calculus 2 <sup>G</sup> .....	5
MTH 253 Calculus 3 <sup>G</sup> .....	5
PH 211 General Physics w/Calculus <sup>1,4,G</sup> .....	5
PH 212 General Physics w/Calculus <sup>1,4,G</sup> .....	5
PH 213 General Physics w/Calculus <sup>1,4,G</sup> .....	5
WR 121 Introduction to Academic Writing .....	4
WR 122 Composition: Argument, Style and Research <sup>*,4</sup> .....	4
WR 227 Technical Writing <sup>G</sup> .....	4
SP 111 Fundamentals of Public Speaking <sup>4</sup> .....	4
AAOT Health/Wellness/Fitness requirement <sup>2</sup> .....	3
AAOT Arts & Letters requirement <sup>2,5</sup> .....	9-12
AAOT Social Science requirement <sup>2,5</sup> .....	12-16

Total Credits 123-130

- 1 UO also allows other science sequences, including CH 221, CH 222, CH 233 or BI 211, BI 212, BOT/Z 213
- 2 See Associate of Arts Oregon Transfer (AAOT) Degree for courses that meet this requirement.
- 3 Discrete Math 3 is not required at OSU.
- 4 See the Lane academic advisor for more specific information.
- 5 One Arts & Letters or Social Science course needs to meet the AAOT Cultural Literacy requirement.
- G Must be taken for a grade, not P/NP; major requirement