



**2009-2010
Suggested Course of
Study**

**Computer Information
Technology Division
(541) 463-5826**

Computer Science Transfer

This is a suggested course of study for students interested in pursuing a bachelor's degree in computer science. A suggested course of study is not the same as a state-approved vocational program in which a student earns a degree or certificate 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 majors at most Oregon colleges and universities. 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. Students who wish to complete all lower division general education requirements before transferring to Oregon public universities may wish to consider earning an Associate of Arts Oregon Transfer (AAOT) degree while at Lane. 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.

Computer Science Transfer

Two-Year Core Curriculum

First Year	Fall
CS 160 Orientation to Computer Science ^{5,G}	4
CS 161 Computer Science 1 ^{1,G}	4
MTH 111 College Algebra	5
WR 121 English Composition: Exposition and Introduction to Argument	4
Total Credits	17

	Winter
CS 162 Computer Science 2 ^{1,G}	4
MTH 097 Geometry	4
WR 122 Composition: Style and Argument ⁵	4
General Education requirements ³	3-4
Total Credits	15-16

	Spring
CS 260 Data Structures ^{4,5,G}	4
MTH 112 Trigonometry	4
WR 227 Technical Report Writing ^G	4
General Education requirements ³	3-4
Total Credits	15-16

Second Year	Fall
MTH 231 Discrete Mathematics 1 ^G	4
PH 211 General Physics w/Calculus ^{2,5,G}	5
MTH 251 Calculus 1 ^G	5
Choice of:	4
SP 111 Fundamentals of Public Speaking ⁵	
SP 112 Persuasive Speech ⁵	
Total Credits	18

	Winter
CS 271 Computer Architecture and Assembly Language ^{5,G}	4
MTH 232 Discrete Mathematics 2 ^G	4
PH 212 General Physics w/Calculus ^{2,5,G}	5
MTH 252 Calculus 2 ^G	5
Total Credits	18

	Spring
CS 275 Database Program Development ^{5,G}	4
MTH 233 Discrete Mathematics 3 ^{4,G}	4
PH 213 General Physics w/Calculus ^{2,5,G}	5
MTH 253 Calculus 3 ^G	5
Total Credits	18

- 1 UO also allows CS 133G, CS 233G in place of CS 161, CS 162
- 2 UO also allows other science sequences, including CH 221, CH 222, CH 233 or BI 211, BI 212, BOT/Z 213
- 3 See UO "Direct Transfer Plan" or OSU "Baccalaureate Core Requirements" for list of approved General Education courses. These lists are available at the Lane Counseling and Advising Center, in Bldg. 1 on main campus.
- 4 Discrete Math 3 is not required at OSU.
- 5 See the Lane academic advisor for more specific information.
- G Must be taken for a grade, not P/NP; major requirement