

Lower Division Department Requirements for the Computer Science Major:

Oregon Institute of Technology Course Number & Title	Qtr Credits	Portland Community College Course Number & Title	Qtr Credits
CST 102 Intro to Computer Systems	3	CS 160 Exploring Computer Science	4
CST 116 C++ Programming I	4	CS 161 Computer Science I	4
CST 126 C++ Programming II	4	CS 162 Computer Science II	4
CST 240 UNIX	3	CS 140U Introduction to UNIX	4
CST 130 Computer Organization	4	No equivalent at PCC	-
CST 131 Computer Architecture	3	CS 201 Computer Systems	4
CST 211 Data Structures	4	CS 260 Data Structures	4
CST 136 Object Oriented Programming with C++	4	CS 261 Programming Systems	4
MATH 111 College Algebra	4	MTH 111 College Algebra	5
MATH 112 Trigonometry	4	MTH 112 Elementary Functions	5
MATH 251 Analytic Geometry and Diff. Calculus	4	MTH 251 Calculus I	4
MATH 252 Integral Calculus	4	MTH 252 Calculus II	5
MATH 254N Multivariable and Vector Calculus	4	MTH 254 Vector Calculus I	5
MATH 327 Discrete Mathematics	4	CS 250 Discrete Structures I*	4
PHY 221, 222, 223 General Physics with Calculus	12	PHY 211, 212, 213 General Physics (Calculus)	15
WRI 121 English Composition	3	WR 121 English Composition	4
WRI 122 English Composition	3	WR 122 English Composition	4
WRI 227 Technical Report Writing	3	WR 227 Technical Writing I	4
SPE 111 Fundamentals of Speech	3	SP 111 Public Speaking	4
PSY 201 General Psychology	3	PSY 201 Introduction to Psychology or PSY 201A Introduction to Psychology	4
SPE 321 Small Team & Group Communication	3	SP 215 Small Group Communication*	4
Social Science Electives	6	See General Education sheet for list of courses	8
Humanities Electives	9	See General Education sheet for list of courses	9-12
Technical Electives	9	Courses offered through PCC that can be used as technical electives, with advisor approval: CS 233G Game Programming CS 233U Advanced C Programming CS 251 Discrete Structures II MTH 253 Calculus III **	4 4 4 4

* Lower-division course (100-200 level) satisfies the OIT course requirement but will not count toward upper-division (300-400 level) requirements.

**Course can be used as technical elective course with advisor approval and can also be applied toward a Minor in Mathematics.

Algebra-based General Physics PHY 201, 202, 203, may be substituted with OIT Advisor consent.

Extra credits earned at PCC and not specified toward a particular course at OIT will be shown as elective credits on OIT transfer evaluation.

PCC endeavors to create accurate transfer guides for students; however, requirements may change without notice. Students are responsible for working with PCC advisors and their transfer institution to ensure that their academic plan will meet requirements and timelines.

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Due to rapid changes in computer technology some CS courses have made changes in their content. We strongly encourage you to talk with a CS Advisor and OIT.

What does OIT offer?

- Courses at OIT are offered in an evening format, one night a week.
- Students are encouraged to be dually enrolled at OIT and PCC to benefit from courses and services at both institutions
- OIT is an application-based program with courses based on applying current technologies to solve real-world problems
- OIT faculty are professionals who currently work in their academic field
- Senior capstone projects are individual or team-based
- Some projects are interdisciplinary so students from different degree programs (e.g. Health Informatics, Renewable Energy Engineering, Electrical Engineering) work together on a project.

Additional Requirements:

We highly encourage you to talk with a PCC Academic Advisor to learn more about meeting OIT's general education and bachelor degree requirements.

In addition to the departmental requirements listed above, students must also complete coursework for university admission, general education requirements, and BA/BS requirements. Meet with a PCC Academic Advisor to develop an effective transfer plan that will meet your individual needs.

PCC DEGREE/TRANSFER INFORMATION:

Associate of Arts/Oregon Transfer (AAOT) Degree – The courses listed above may be included in the AAOT degree. Students who complete this degree and are accepted at Oregon public universities will be admitted as having completed all lower division comprehensive and General Education requirements for a baccalaureate degree.

Associate of Science (AS) Degree – The courses listed above may be included in the AS degree. The degree does NOT guarantee that students will be accepted as having completed all lower division comprehensive and General Education requirements for a baccalaureate degree. Student should work with an Academic Advisor to plan for transfer to the school and major of their choice.

Transfer without a PCC Degree – Students may elect to earn credits and transfer to a four-year institution without earning a PCC degree. Please meet with an Academic Advisor for an individualized plan of study.