

**Lower Division Department Requirements for the Computer Science Major:**

<b>Technical Courses</b>			
<b>Oregon Institute of Technology Course Number &amp; Title</b>	<b>Qtr Credits*</b>	<b>Portland Community College Course Number &amp; Title</b>	<b>Credits</b>
CST Technical Elective	3	CS 133U Introduction to C	4
CST 240 UNIX	3	CS 140U Introduction to UNIX	4
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 250 Computer Assy Language	4	CS 200 Computer Systems I	4
CST Technical Elective	3	CS 201 Computer Systems II	4
CST 211 Data Structures	4	CS 260 Data Structures	4
CST 116 C++ Programming I CST 126 C++ Programming II	8	CS 234U Accelerated C++ Programming	4
CST 136 OO Programming in C++	4	CS 261 Programming Systems	4
<b>General Education Courses</b>			
MATH 111 College Algebra	4	MTH 111C College Algebra	5
MATH 112 Trigonometry	4	MTH112 Elementary Functions	5
MATH 251 Analytic Geometry and Differential Calculus	4	MTH251 Calculus I	4
MATH 252 Integral Calculus	4	MTH252 Calculus II	5
MATH 253N Sequence and, Series (#)	4	MTH253 Calculus III	5
MATH 254N Multivariable and Vector Calculus	4	MTH254 Vector Calculus I	5
MATH 327 Discrete Mathematics (**)	4	MTH 231 Elements of Discrete Mathematics I MTH 232 Elements of Discrete Mathematics II	4 4
PHY 221 General Physics with Calculus	4	PHY211 General Physics	5
PHY 222 General Physics with Calculus	4	PHY212 General Physics	5
PHY 223 General Physics with Calculus	4	PHY213 General Physics	5
WRI 121 English Composition	3	WR121 English Composition	3
WRI 122 English Composition	3	WR122 English Composition	3
WR 227 Technical Report Writing	3	WR227 Technical Writing I	3
SPE 111 Fundamentals of Speech	3	SP111 Fundamentals of Speech	3
PSY 201 General Psychology	3	PSY 201 General Psychology	3

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

# Course not required for OIT Software Engineering Technology degree, but can be used as technical elective course with advisor approval.

\*\* Block transfer of courses only, not individual course substitution

### Notes:

- Please see [http://www.oit.edu/departments/regr/documents/Portland\\_Community\\_College.pdf](http://www.oit.edu/departments/regr/documents/Portland_Community_College.pdf) for accepted transfer courses or contact OIT for suggested transfer courses
- Additional coursework in Social Sciences (6 credits + PSY201) and Humanities (9 credits) are required, see OIT academic advisor for details.
- Due to rapid changes in computer technology some CS courses have made changes in their content. We strongly encourage you to work with an Academic Advisor to develop your transfer plan.

### 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.

*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.*

### Web sites:

[College Website](#)

[Major Website](#)

[Transfer Equivalency Website](#)

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.

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