Students interested in completing a Bachelor of Science Degree in Computer Science at an Oregon University can complete freshman and sophomore level coursework at PCC and then transfer to one of the following Oregon Universities to complete their bachelor of science degree:

**Oregon State University**
www.pcc.edu/programs/university-transfer/transfer-guides/osucomputersci.html

**Oregon Technology**
www.oit.edu/wilsonville/academics/degrees/software-engineering-technology

**Portland State University**
www.pcc.edu/programs/university-transfer/transfer-guides/computer-science-psu.html

**University of Oregon**
www.pcc.edu/programs/university-transfer/transfer-guides/computersci-UO.html

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**What job or career is Computer Science preparing students for?**

The Bachelor of Science degree in Computer Science or Software Engineering teaches students to develop large software applications for careers in Software Development, Software Engineering, Game Development and/or high-level Cybersecurity, such as an Ethical Hacker or Penetration Tester.

**Is this major right for me?**

**Do you like math?**

Computer Science requires three terms of calculus, three terms of calculus-based physics* and two terms of discrete math. There is more math required after transferring.

*PSU allows three terms of Biology (BI 211, 212 and 213) or Chemistry (CH 221, 222 and 223) or three terms of calculus-based physics (PHY 211, 212 and 213); all other Oregon Universities require the three terms of calculus-based physics.

**Do you like computer programming?**

This degree is preparing students to work as a software developer or software engineer.

This degree does NOT prepare students to work in IT Tech Support, Database Development or Website Development. Students interested in IT jobs would pursue an AAS degree in Computer Information Systems. Students interested in web design work would pursue an AAS degree in Website Development and Design.
What would my first term classes be?

That depends on your reading, writing and math placement test results and/or your completion of WR and MTH classes at PCC or another college or university:

<table>
<thead>
<tr>
<th>If you score into WR 121 and MTH 95 or higher</th>
<th>If you score into WR 121 and MTH 60 or MTH 65</th>
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<tbody>
<tr>
<td>WR 121 – English Composition (4 cr)</td>
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<tr>
<td>MTH 95 or higher (4-5 cr)</td>
<td>MTH 60 or MTH 65 (4 cr)</td>
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<tr>
<td>CS 160 – exploring computer science (4 cr)</td>
<td>PSY 201A or other Gen Educ (4 cr)</td>
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<tr>
<td>CS 140U – Introduction to UNIX (4 cr)</td>
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PSU does not require CS 160 (exploring computer science) and CS 140U (introduction to UNIX). Can I skip them and go directly into CS 161 (computer science I)?

While PSU does not require CS 160 and CS 140U, *they do require that students possess the knowledge taught in those classes*. The other Oregon Universities require both CS 160 and CS 140U. In addition, our CS 162 (computer science II) requires completion of CS 161 and CS 140U with grades of C or better.

If you want a prerequisite override for CS 162 to avoid taking CS 140U – *or a prerequisite override for any other CS class* – you must email the CS instructor for the class you’re interested in and request the override; please use your pcc email address and include your full name and G number in your email.

I completed a college-level English Composition and Math class and/or have college credits and/or a degree from a regionally accredited college or university within the United States.

Please bring a copy of your college transcripts and your PCC student ID number (“G number”) to a general advisor at any PCC campus and ask for a placement test override.

Please note: *if your last math class was completed more than three years ago, you will need to take the math placement test to determine your first math class.*

**Example One:** If your last math class was MTH 111 (college algebra), taken five years ago, you would first take the math placement test, and then bring your college transcripts to an academic advisor. Your first term classes would be CS 140U, CS 160 and the math class you placed into, even if it is lower than MTH 111.

**Example Two:** If your last math class was MTH 251 (calculus I), taken two years ago, you would bring your college transcripts to an academic advisor and your first term classes would be CS 140U, CS 160 and MTH 252.