# Portland State University Maseeh College of Engineering and Computer Science Transfer Guide: Computer Science

<table>
<thead>
<tr>
<th>PSU Classes</th>
<th>PCC</th>
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<tr>
<td>MATH 251: calculus 1</td>
<td>MATH 251</td>
<td>MATH 251</td>
<td>MATH 251</td>
<td>MATH&amp;151</td>
<td>MATH 251</td>
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<tr>
<td>MATH 252: calculus 2</td>
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<td>MATH&amp;152</td>
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<tr>
<td>MATH 253: calculus 3 (or MATH 261)</td>
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<tr>
<td>MATH 261: linear algebra (or MATH 253)</td>
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<td>MATH 261</td>
<td>MATH 253</td>
<td>MATH 215</td>
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Select one of the following science sequences:

- **CHEMISTRY 221/227, 222/228**
  - CH 221, 222
  - CH 221, 222
  - CH 221, 222
  - CH 221, 222
  - CHEM&141+151+
  - CHEM&142+152+
  - CHEM&143+153
  - CH 221, 222

- **PHYSICS 211/214, 212/215**
  - PH 211, 213
  - PH 211, 212
  - PH 211, 213
  - PH 211, 213
  - PHYS&241+231,
  - PHYS&242+232,
  - PHYS&241+233
  - PH 211, 213

- **BIOLOGY 211/214, 212/215**
  - BI 211, 212
  - BI 211, 212
  - BI 213, 211,
  - BI 213, 211,
  - BI 211, 212,
  - BI 211, 212,

- **CS 161: intro to programming**
  (not required if student has prog exper)
  - CS 161
  - CS 161
  - CS 161
  - CS 161

- **CS 162: intro to CS**
  - CS 162
  - CS 162
  - CS 162
  - CS 162

- **CS 163: data structures**
  - CS 260
  - CS 260
  - CS 260
  - CS 260

- **CS 201: comp sys programming**
  - CS 201
  - CS 201
  - CS 201
  - CS 201

- **CS 202: programming systems**
  - CS 261**
  - CS 202**
  - CS 202**
  - CS 202**

- **CS 250: discrete structures I**
  - CS 250
  - CS 250
  - MATH 231+232
  - MATH 231+232

- **CS 251: discrete structures II**
  - CS 251
  - CS 251
  - MATH 231+232
  - MATH 231+232

- **WRITING 121: college writing**
  - WR 121
  - WR 121
  - WR 121
  - WR 121

- **COMM 220: public speaking**
  - COMM 111
  - COMM 111
  - COMM 111
  - COMM 111

- **WRITING 227: tech writing**
  - WR 227
  - WR 227
  - WR 227
  - WR 227

**NOTE:** Students completing the equivalent to CS 202 at other institutions will need to do a proficiency demonstration at PSU.

[JS 5/2018]

[Portland State University]

[Link to credit transfer page](http://www.pdx.edu/cecs/transferring-credits)
Computer Science is a broad discipline that covers the design, implementation and analysis of software systems. Fields in computer science include: networking, artificial intelligence, cybersecurity, health informatics, gaming, and computer graphics to name a few. Right now is one of the best times in history to get into computer science. The generation that launched the computer age is retiring, and the field awaits bright new computer scientists who will imagine and create new applications for the future.

Students must apply to the Computer Science (CS) major in the Maseeh College once the lower division core has been completed. Only admitted CS majors may enroll in most upper division (300 and 400 level) Computer Science courses so students should apply as soon as they are eligible. The CS Major Application is separate from the PSU Admission Application. Eligibility requirements and the CS Major Application can be found at [pdx.edu/cecs/admission-to-a-major](http://pdx.edu/cecs/admission-to-a-major).

General education: Transfer students are placed into PSU’s General Education program (University Studies or Honors) based on the number of credits completed. In addition, transfer students are required to complete the departmental Arts and Letters/Social Science (A&L/SS) Requirements. See [pdx.edu/cecs/transferring-credits](http://pdx.edu/cecs/transferring-credits) for more information.

Note: CS majors are required to take WR 227 (Technical Writing) and COMM 220 (Public Speaking) prior to admission to the upper division program. CS majors can choose to take Public Speaking at their community college instead of at PSU.

Tips:

- Apply for admission to PSU by the priority admission deadlines (December 1 for the following fall)
- To apply for PSU scholarships students must have already applied to PSU. Scholarship application due date = Feb. 1 for the next academic year, beginning in September ([pdx.edu/scholarships](http://pdx.edu/scholarships))
- All incoming PSU students must complete Orientation before registering; students must have been admitted to PSU before they can sign up for Orientation
- Be sure to ask about our PCEP and MECOP internships, and about programs for those who already have a bachelor degree
- Advising is available to community college students planning to transfer to PSU; contact the Maseeh College Student Services Office: 503.725.4631