# 2012-2013 Catalog Year - MAPP
## Computer Science BS
### ASU Major

Computer Science, BS - [Ira A. Fulton Schools of Engineering](#)

### Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Computer Science B.S. degree program. Special Requirements: All courses must be completed with a grade of "C" or better. In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits.

### Course Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Pathway</th>
<th>AGEC-S Program</th>
<th>ASU ASU</th>
<th>Min.</th>
<th>Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td><strong>First Year Composition</strong></td>
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<tr>
<td>ENG 101: First Year Composition</td>
<td>3</td>
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<tr>
<td>ENG 1101</td>
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<td>OR</td>
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<tr>
<td>ENG 107: First Year Composition for ESL</td>
<td>3</td>
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<tr>
<td>ENG 102: First Year Composition</td>
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<tr>
<td>ENG 1102</td>
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<td>OR</td>
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<td><strong>Literacy &amp; Critical Inquiry</strong></td>
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<tr>
<td>Lower Division</td>
<td>0-3</td>
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<td>C</td>
<td>Literacy and Critical Inquiry - Recommend selecting a course which satisfies L (Literacy and Critical Inquiry)</td>
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</tr>
</tbody>
</table>
and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.

<table>
<thead>
<tr>
<th>Mathematical Studies</th>
<th>MAT 221: Calculus with Analytic Geometry I</th>
<th>4</th>
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<th>C</th>
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</thead>
<tbody>
<tr>
<td>Humanities and Fine Arts</td>
<td>Humanities and Fine Arts</td>
<td>6</td>
<td></td>
<td>C</td>
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<tr>
<td>Social and Behavioral Science</td>
<td>Lower Division Social and Behavioral Sciences</td>
<td>6</td>
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<td>C</td>
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<tr>
<td>Natural Science</td>
<td>BIO 181: General Biology (Majors) I</td>
<td>8</td>
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<td></td>
<td>BIO 182: General Biology (Majors) II</td>
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<td>CHM 151: General Chemistry I</td>
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<td>CHM 151LL: General Chemistry</td>
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</table>

See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Select the Biology, Chemistry, or Physics sequence. Fulfills the Lab Science requirement.
I Laboratory
CHM 1151 AND
CHM 152:
General Chemistry
II CAM CHM
1152 AND
CHM 152LL:
General Chemistry
II Laboratory
CAM CHM 1152
OR
PHY 121:
University Physics
I: Mechanics AND
PHY 131:
University Physics
II: Electricity and
Magnetism CAM
PHY 1131

Subject Options
MAT 231: 4 C
Calculus with
Analytic
Geometry II CAM
MAT 2230

MAT 241: 4 C
Calculus with
Analytic
Geometry III CAM
MAT 2241

General Education - AGEC-S Awareness Areas
Lower Division 0-3 C
Cultural Diversity
in the US [C]

Lower Division 0-3 C
Historical or
Global [H] or [G]

MCCC Additional Requirements
COM 100: 0-3 C
Introduction to
Human
Communication
CAM COM 1100
OR
COM 110: Interpersonal
Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 C Complete CRE 101 or equivalent.

Additional Lower Division Requirements
MAT 227: Discrete Mathematical Structures 3 C
MAT 2227

CSC 110: Introduction to Computer Science (Java) OR
CSC 110AA: Introduction to Computer Science (Java) 3 C

CSC 120: Digital Design Fundamentals OR EEE 120: Digital Design Fundamentals 4 C

CSC 205: Object Oriented Programming and Data Structures 3 C

CSC 230: Computer Organization and Assembly Language OR EEE 230: Computer Organization and
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>CSC 240: Introduction to Different Languages</td>
<td>3</td>
<td>C</td>
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<tr>
<td>ECE 102: Engineering Analysis Tools and Techniques</td>
<td>4</td>
<td>C</td>
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<tr>
<td>ECE 102AA: Engineering Analysis Tools and Techniques</td>
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<tr>
<td>ECE 103: Engineering Problem Solving and Design</td>
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<tr>
<td>ECE 103AB: Engineering Problem Solving and Design</td>
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</tbody>
</table>

3.00 cumulative transfer GPA

Required Credits 62

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: https://transfer.asu.edu/credits