2014-2015 Catalog Year - MAPP
Computer Science BS, Computer Science (Software Engineering), Computer Science (Information Assurance)

ASU Major

Computer Science (Information Assurance), BS - [Ira A. Fulton Schools of Engineering]
Computer Science, BS - [Ira A. Fulton Schools of Engineering]
Computer Science (Software Engineering), 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. A total of 64 credit hours will transfer to Arizona State University.

Maricopa Community College District Course Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Pathway</th>
<th>AGEC-S Program</th>
<th>ASU</th>
<th>ASU</th>
<th>Min.</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year Composition</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ENG 101: First Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>OR</td>
<td>ENG 1101</td>
<td></td>
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<tr>
<td>ENG 107: First Year Composition for ESL</td>
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<tr>
<td>ENG 102: First Year Composition</td>
<td>3</td>
<td>C</td>
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<td>OR</td>
<td>ENG 1102</td>
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<tr>
<td>ENG 108: First Year Composition for ESL</td>
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<tr>
<td><strong>Literacy and Critical Inquiry</strong></td>
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</tr>
<tr>
<td>Lower Division</td>
<td>0-3</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td>Recommend</td>
</tr>
</tbody>
</table>
Literacy and Critical Inquiry

selecting a course which satisfies L (Literacy and Critical Inquiry) 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>Humanities and Fine Arts</th>
<th>Social-Behavioral Science</th>
<th>Natural Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 221: Calculus with Analytic Geometry I</td>
<td>Humanities and Fine Arts</td>
<td>Lower Division Social and Behavioral Sciences</td>
<td>BIO 181: General Biology (Majors) I</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>

Humanities and Fine Arts

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

Social-Behavioral Science

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

Natural Science

Select the Biology, Chemistry or Physics sequence. Fulfills the Lab Science requirement.
I CHM 1151
AND
CHM 151LL:
General Chemistry
I Laboratory
CHM 1151 AND
CHM 152:
General Chemistry
II CHM
1152 AND
CHM 152LL:
General Chemistry
II Laboratory
CHM 1152
OR
CHM 152AA:
General Chemistry
II CHM
1152 OR
CHM 150AA:
General Chemistry
I CHM 1151
OR
CHM 151AA:
General Chemistry
I CHM 1151
OR
PHY 121:
University Physics
I: Mechanics
PHY 1121 AND
PHY 131:
University Physics
II: Electricity and
Magnetism
PHY 1131

Subject Options
MAT 230: 4-5
Calculus With
Analytic
Geometry II
MAT 2230 OR
MAT 231:
Calculus With
Analytic
Geometry II
MAT 2230
MAT 240: 4-5
Calculus With
Analytic Geometry III \textbf{SUNY}  
MAT 2241 OR  
MAT 241: Calculus With Analytic Geometry III \textbf{SUNY}  
MAT 2241

\textbf{AGEC Awareness Areas}

<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultural Diversity in the US ([C])</td>
<td>0-3</td>
<td>C</td>
</tr>
<tr>
<td>Historical or Global ([H]) or ([G])</td>
<td>0-3</td>
<td>C</td>
</tr>
</tbody>
</table>

\textbf{MCCCD Additional Requirements}

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 100: Introduction to Human Communication (\textbf{SUNY}) (\textbf{COM 1100}) OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication</td>
<td>0-3</td>
<td>C</td>
</tr>
<tr>
<td>CRE 101: College Critical Reading</td>
<td>0-3</td>
<td>C</td>
</tr>
</tbody>
</table>

\textbf{Additional Lower Division Requirements}

- Complete a lab science that transfers to ASU with a SG or SQ, course may be in BIO, CHM, GLG, or PHY.  
  ASU degree requires 4 additional lab science credits that include GLG as an option

- MAT 227: Discrete Mathematical Structures \textbf{SUNY}  
  MAT 2227  
  3 \quad C
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Requires CSCI 100</th>
<th>Requires CSCI 200</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>Introduction to Computer Science (Java) OR CSC 110AA: Introduction to Computer Science (Java)</td>
<td>3-4</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>CSC 120</td>
<td>Digital Design Fundamentals OR EEE 120: Digital Design Fundamentals</td>
<td>4</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>CSC 205</td>
<td>Object Oriented Programming and Data Structures</td>
<td>3-4</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>CSC 230</td>
<td>Computer Organization and Assembly Language OR EEE 230: Computer Organization and Assembly Language</td>
<td>4</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>CSC 240</td>
<td>Introduction to Different Programming Languages</td>
<td>3</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>ECE 102</td>
<td></td>
<td>4</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
Engineering Analysis Tools
and Techniques
OR
ECE 102AA: Engineering Analysis Tools and Techniques
AND
ECE 103: Engineering Problem Solving and Design OR
ECE 103AB: Engineering Problem Solving and Design

3.00 cumulative transfer GPA

Required Credits  66

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