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 Min.</th>
<th>Notes</th>
<th>Credits</th>
<th>Trk</th>
<th>LD</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>

**First Year Composition**

- ENG 101: First Year Composition
  - 3 credits
  - C
  - Pathway
  - AGEC-S Program
  - ASU
  - ASU Min.
  - Notes

  **OR**

  - ENG 107: First Year Composition for ESL
    - SUNY ENG 1101
    - 3 credits
    - C

**Literacy and Critical Inquiry**

- Lower Division
  - 0-3 credits
  - C
  - Recommend
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.

Mathematical Studies
MAT 221: Calculus with Analytic Geometry I 4 C

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

Social-Behavioral Science
Lower Division Social and Behavioral Sciences 6 C See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Natural Science
BIO 181: General Biology (Majors) I 8 C Select the Biology, Chemistry or Physics sequence. Fulfills the Lab Science requirement.
<table>
<thead>
<tr>
<th>Subject Options</th>
<th>Credits</th>
<th>Coreq</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 230: Calculus With Analytic Geometry II</td>
<td>4-5</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>MAT 2230 OR MAT 231: Calculus With Analytic Geometry II</td>
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<td></td>
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<tr>
<td>MAT 240: Calculus With Analytic Geometry II</td>
<td>4-5</td>
<td></td>
<td>C</td>
</tr>
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</table>
Analytic Geometry III \textcolor{blue}{SUNY} \\
MAT 2241 OR \\
MAT 241: Calculus With Analytic Geometry III \textcolor{blue}{SUNY} \\
MAT 2241

\begin{center}
\begin{tabular}{lll}
\textbf{AGEC Awareness Areas} &  & \\
Lower Division & 0-3 & C \\
Cultural Diversity in the US [C] &  & \\
Lower Division & 0-3 & C \\
Historical or Global [H] or [G] &  & \\
\end{tabular}
\end{center}

\begin{center}
\begin{tabular}{lll}
\textbf{MCCCD Additional Requirements} &  & \\
COM 100: Introduction to Human Communication \textcolor{blue}{SUNY} COM 1100 &  & C \\
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. \\
\end{tabular}
\end{center}

\begin{center}
\begin{tabular}{lll}
\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. & 4 & C \\
MAT 227: Discrete Mathematical Structures \textcolor{blue}{SUNY} MAT 2227 & 3 & C \\
\end{tabular}
\end{center}
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>Introduction to Computer Science (Java) OR</td>
<td>3-4</td>
<td></td>
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<tr>
<td></td>
<td>CSC 110AA: Introduction to Computer Science (Java) OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CSC 110AB: Intro To Computer Science (Java)</td>
<td></td>
<td></td>
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<tr>
<td>CSC 120</td>
<td>Digital Design Fundamentals OR EEE 120: Digital Design Fundamentals</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CSC 205</td>
<td>Object Oriented Programming and Data Structures</td>
<td>3-4</td>
<td>SUNY CSC 2205</td>
</tr>
<tr>
<td></td>
<td>OR CSC 205AA: Object Oriented Programming and Data Structures</td>
<td></td>
<td>SUNY CSC 2205</td>
</tr>
<tr>
<td></td>
<td>OR CSC 205AB: Object Oriented Programming A</td>
<td></td>
<td>SUNY CSC 2205</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></td>
</tr>
<tr>
<td>CSC 240</td>
<td>Introduction to Different Programming Languages</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECE 102</td>
<td></td>
<td>4</td>
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</tbody>
</table>
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