2015-2016 Catalog Year - MAPP
Computer Science BS, Computer Science (Software Engineering), Computer Science (Information Assurance)

ASU Major

Computer Science, BS - [Ira A. Fulton Schools of Engineering]
Computer Science (Software Engineering), BS - [Ira A. Fulton Schools of Engineering]
Computer Science (Information Assurance), 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 ASU Min. Grade</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Credits</td>
<td>Reqs Trk LD</td>
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</tr>
<tr>
<td>First Year Composition</td>
<td></td>
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<tr>
<td>ENG 101: First Year Composition</td>
<td>3</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>
<td>3</td>
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<td>C</td>
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<tr>
<td>OR</td>
<td>ENG 1102</td>
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<tr>
<td>ENG 108: First Year Composition</td>
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<td>OR</td>
<td>ENG 1103</td>
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</table>
Composition for ESL

**Literacy and Critical Inquiry**

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>0-3</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literacy and Critical Inquiry</td>
<td></td>
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</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>MAT 220: Calculus With Analytic Geometry I</th>
<th>4-5</th>
<th>C</th>
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<tbody>
<tr>
<td>MAT 220 OR MAT 221: Calculus With Analytic Geometry I</td>
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**Humanities, Arts, and Design**

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>3</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>Humanities, Arts, and Design</td>
<td></td>
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</tbody>
</table>

Humanities, Arts, and Design/Social-Behavioral Science: See note regarding Literacy and Critical Inquiry for 3 of the 6 required credit hours.

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>3</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>Humanities, Arts, and Design</td>
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</table>

**Social-Behavioral Science**

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>Social-Behavioral Science</td>
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</table>

<table>
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<tr>
<th>Lower Division</th>
<th>3</th>
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<tr>
<td>Social-Behavioral Science</td>
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</table>

**Natural Science**

<table>
<thead>
<tr>
<th>BIO 181: General</th>
<th>8</th>
<th>C</th>
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</thead>
</table>
Biology (Majors)
I \text{SUNY} \text{\# BIO 1181}
\text{AND}
\text{BIO 182: General Biology (Majors)}
II \text{SUNY} \text{\# BIO 1182 OR CHM 151: General Chemistry I}
\text{CHM 1151 AND CHM 151LL: General Chemistry I Laboratory}
\text{CHM 1151 AND CHM 152: General Chemistry II}
\text{SUNY \# CHM 1152 AND CHM 152LL: General Chemistry II Laboratory}
\text{CHM 1152 OR CHM 152AA: General Chemistry II}
\text{SUNY \# CHM 1152 OR CHM 150AA: General Chemistry I}
\text{CHM 1151 OR CHM 151AA: General Chemistry I}
\text{SUNY \# CHM 1151 OR PHY 121: University Physics I: Mechanics}
\text{PHY 1121 AND PHY 131: University Physics II: Electricity and Magnetism}
\text{PHY 1131}
### Subject Options

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 230</td>
<td>Calculus With Analytic Geometry II</td>
<td>4-5</td>
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<td><strong>OR</strong></td>
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<tr>
<td>MAT 2230</td>
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<tr>
<td>MAT 231</td>
<td>Calculus With Analytic Geometry II</td>
<td>4-5</td>
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<td><strong>OR</strong></td>
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<tr>
<td>MAT 2230</td>
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<tr>
<td>MAT 240</td>
<td>Calculus With Analytic Geometry III</td>
<td>4-5</td>
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<td><strong>OR</strong></td>
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<tr>
<td>MAT 2241</td>
<td></td>
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</table>

### AGEC Awareness Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Units</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Lower Division Cultural Diversity in the US [C]</td>
<td>0-3</td>
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<tr>
<td>Lower Division Historical or Global [H] or [G]</td>
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</tbody>
</table>

### MCCCD Additional Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Introduction to Human Communication</td>
<td>0-3</td>
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<tr>
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<td><strong>OR</strong></td>
<td></td>
</tr>
<tr>
<td>COM 1100</td>
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<td></td>
</tr>
<tr>
<td>COM 110</td>
<td>Interpersonal Communication</td>
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</tr>
<tr>
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<td><strong>OR</strong></td>
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</tr>
<tr>
<td>COM 225</td>
<td>Public Speaking OR</td>
<td></td>
</tr>
<tr>
<td>COM 230</td>
<td>Small Group Communication</td>
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<tr>
<td>CRE 101</td>
<td></td>
<td>0-3</td>
</tr>
</tbody>
</table>

*CRE 101 or equivalent.*
Additional Lower Division Requirements

CSC 110: Introduction to Computer Science (Java) 3-4  C
OR
CSC 110AA: Introduction to Computer Science (Java) 3-4  C
OR
CSC 110AB: Intro To Computer Science (Java) 3-4  C

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

CSC 205: Object Oriented Programming and Data Structures 3-4  C
OR
CSC 205AA: Object Oriented Programming and Data Structures 3-4  C
OR
CSC 205AB: Object Oriented Programming A 3-4  C
OR
CSC 2205 3-4  C

CSC 230: Computer Organization and Assembly Language OR
EEE 230: Computer Organization and
Assembly Language

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 240: Introduction to Different Programming Languages</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ECE 102: 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</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>GLG 101: Introduction To Geology I - Physical Lecture AND GLG 1101 GLG 103: Introduction To Geology I - Physical Laboratory GLG 1101 OR GLG 102: Introduction To Geology II-Historical AND GLG 104: Introduction To Geology II-Historical Laboratory OR BIO 181: General Biology (Majors) I BIO 1181</td>
<td>4-5</td>
<td>C</td>
<td>ASU degree requires 4 additional lab science credits</td>
</tr>
</tbody>
</table>
OR
BIO 182: General Biology (Majors)
II BIO
1182 OR
CHM 151:
General Chemistry I AND
CHM 151LL:
General Chemistry I Laboratory
CHM 1151 OR
PHY 115:
University Physics I
PHY 1121

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>MAT 227:</td>
<td>3</td>
<td>C</td>
<td>SUN#</td>
</tr>
<tr>
<td>Discrete Mathematical Structures</td>
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<td></td>
<td>MAT 2227</td>
</tr>
</tbody>
</table>

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