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<table>
<thead>
<tr>
<th>MCCCD COURSES</th>
<th>TITLE</th>
<th>ASU'S EQUIVALENT COURSE(S)</th>
<th>TITLE</th>
<th>GS REQ'T SATISFIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGS 164 (4)</td>
<td>PLANT GROWTH/DEVELOPMENT</td>
<td>ERS 130</td>
<td>INTRODUCTION TO ENVIRONMENTAL SCIENCE</td>
<td>SQ</td>
</tr>
<tr>
<td>AST 111 (3)*</td>
<td>INTRO TO ASTRONOMY I</td>
<td>AST 111*</td>
<td>INTRO SOLAR SYS ASTRONOMY</td>
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</tr>
<tr>
<td>AST 112 (3)**</td>
<td>INTRO TO ASTRONOMY II</td>
<td>AST 112**</td>
<td>INTRO STARS, GALAXIES &amp; COSMOLOGY</td>
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</tr>
<tr>
<td>AST 113 (1)*</td>
<td>ASTRONOMY I LABORATORY</td>
<td>AST 113*</td>
<td>ASTRONOMY LAB I</td>
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</tr>
<tr>
<td>AST 114 (1)**</td>
<td>ASTRONOMY II LABORATORY</td>
<td>AST 114**</td>
<td>ASTRONOMY LAB II</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>**AST 111 AND AST 113 MUST BE TAKEN TO SECURE [SQ] CREDIT.</td>
</tr>
<tr>
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<td></td>
<td>**AST 112 AND AST 114 MUST BE TAKEN TO SECURE [SQ] CREDIT.</td>
</tr>
<tr>
<td>BIO 100 (4)*</td>
<td>BIOLOGY CONCEPTS</td>
<td>BIO 100</td>
<td>THE LIVING WORLD</td>
<td>SQ</td>
</tr>
<tr>
<td>BIO 101 (4)*</td>
<td>GEN BIO (NON-MAJRS) SEL TOP</td>
<td>BIO 100</td>
<td>THE LIVING WORLD</td>
<td>SQ</td>
</tr>
<tr>
<td>BIO 102 (4)*</td>
<td>GEN BIO (NON-MAJRS) ADD TOP</td>
<td>BIO 100</td>
<td>THE LIVING WORLD</td>
<td>SQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>**IF TWO OR MORE OF THE ABOVE THREE COURSES ARE TAKEN, ONLY ONE WILL TRANSFER AS BIO 100 [SQ]. THE OTHER COURSE(S) WILL TRANSFER AS E.</td>
</tr>
<tr>
<td>BIO 105 (4)</td>
<td>ENVIRONMENTAL BIOLOGY</td>
<td>DEC (BIO)</td>
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<td>SQ</td>
</tr>
<tr>
<td>BIO 108 (4)</td>
<td>PLANTS AND SOCIETY</td>
<td>PLB 108</td>
<td>PLANTS AND SOCIETY</td>
<td>SQ</td>
</tr>
<tr>
<td>BIO 181 (4)</td>
<td>GENERAL BIO (MAJORS) I</td>
<td>BIO 188</td>
<td>GENERAL BIOLOGY</td>
<td>SQ</td>
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<tr>
<td>BIO 245 (3)</td>
<td>CELLULAR/MOLECULAR BIO</td>
<td>MBB 245</td>
<td>CELLULAR AND MOLECULAR BIOLOGY</td>
<td>SQ</td>
</tr>
<tr>
<td>BIO 246 (1)</td>
<td>CELLULAR/MOLECULAR BIO LAB</td>
<td>MBB 246</td>
<td>CELLULAR AND MOLECULAR BIOLOGY LAB</td>
<td>SQ</td>
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<tr>
<td></td>
<td></td>
<td></td>
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<td>*BOTH COURSES, BIO 245 &amp; BIO 246 MUST BE COMPLETED TO SATISFY [SQ] REQUIREMENTS</td>
</tr>
<tr>
<td>CHM 107 (3)**</td>
<td>CHEMISTRY AND SOCIETY</td>
<td>E</td>
<td>G</td>
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<tr>
<td>CHM 107LL (1)**</td>
<td>CHEMISTRY AND SOCIETY LAB</td>
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<tr>
<td></td>
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<td></td>
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<td>**CHM 107 AND CHM 107LL TOGETHER ARE EQUIVALENT TO CHM 107 [SQ,G].</td>
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<tr>
<td>CHM 130 (3)**</td>
<td>FUNDAMENTAL CHEMISTRY</td>
<td>DEC (CHM)</td>
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<tr>
<td>CHM 130LL (1)**</td>
<td>FUNDAMENTAL CHEM LAB</td>
<td>DEC (CHM)</td>
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<td></td>
<td></td>
<td></td>
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<td>*CHM 130 &amp; CHM 130LL TOGETHER ARE EQUIVALENT TO CHM 101 [SQ].</td>
</tr>
<tr>
<td>CHM 151 (3)**</td>
<td>GENERAL CHEMISTRY I</td>
<td>DEC (CHM)</td>
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</tr>
</tbody>
</table>

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT COURSES WHICH CAN BE USED TO SATISFY ASU GENERAL STUDIES REQUIREMENTS

NATURAL SCIENCES–QUANTITATIVE CORE COURSES [SQ] FALL 2002
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>CHM 151LL</td>
<td>GENERAL CHEMISTRY I LAB</td>
<td>1</td>
<td>*CHM 151 &amp; CHM 151LL TOGETHER ARE EQUIVALENT TO CHM 113 [SQ].</td>
</tr>
<tr>
<td>CHM 152**</td>
<td>GENERAL CHEMISTRY II</td>
<td>3</td>
<td>**STUDENTS MAY TRANSFER ONLY ONE OF THE FOLLOWING SEQUENCES: [CHM107 AND CHM107LL] OR [CHM130 AND CHM130LL] OR [CHM151 AND CHM151LL]</td>
</tr>
<tr>
<td>CHM 152LL**</td>
<td>GENERAL CHEMISTRY II LAB</td>
<td>1</td>
<td>*CHM 152 &amp; CHM 152LL TOGETHER ARE EQUIVALENT TO CHM 115 [SQ] / CHM 116 [SQ].</td>
</tr>
<tr>
<td>CHM 154**</td>
<td>GEN CHEM II WITH QUAL</td>
<td>3</td>
<td>*CHM 154 &amp; CHM 154LL TOGETHER ARE EQUIVALENT TO CHM 115 [SQ] / CHM116 [SQ].</td>
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<tr>
<td>CHM 154LL**</td>
<td>GEN CHEM II WITH QUAL LAB</td>
<td>2</td>
<td>*BOTH CHM230 &amp; CHM230LL MUST BE TAKEN TO SECURE [SQ] CREDIT.</td>
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<tr>
<td>CHM 230**</td>
<td>FUND ORGANIC CHEM</td>
<td>3</td>
<td>CHM 231 ELEMENTARY ORGANIC CHEMISTRY</td>
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<tr>
<td>CHM 230LL**</td>
<td>FUND ORGANIC CHEM LAB</td>
<td>1</td>
<td>CHM 235 ELEMENTARY ORGANIC CHEMISTRY LAB</td>
</tr>
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<td>GLG 101**</td>
<td>INTRO GEOL I-PHYSICL LEC</td>
<td>3</td>
<td>GLG 103* INTRO GEOL LAB</td>
</tr>
<tr>
<td>GLG 103**</td>
<td>INTRO GEOL I-PHYSICL LAB</td>
<td>3</td>
<td>*BOTH GLG 101 AND GLG 103 MUST BE TAKEN TO SECURE [SQ] CREDIT.</td>
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<tr>
<td>GPH 111**</td>
<td>INTRO TO PHYS GEOGRAPHY</td>
<td>4</td>
<td>GPH 111 INTRO PHYSICAL GEOGRAPHY</td>
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<tr>
<td>GPH 112**</td>
<td>INTRO TO PHYS GEOGRAPHY</td>
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<td>GPH 113**</td>
<td>INTRO TO PHYSCL GEOG LAB</td>
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<td>E</td>
</tr>
<tr>
<td>PHS 110**</td>
<td>FUND OF PHYSICAL SCIENCE</td>
<td>4</td>
<td>PHS 110 FUND OF PHYSICAL SCIENCE</td>
</tr>
<tr>
<td>PHS 120**</td>
<td>INTRO TO PHYSICAL SCIENCE</td>
<td>4</td>
<td>E</td>
</tr>
<tr>
<td>PHY 101**</td>
<td>INTRODUCTION TO PHYSICS</td>
<td>4</td>
<td>E</td>
</tr>
<tr>
<td>PHY 111**</td>
<td>GENERAL PHYSICS I</td>
<td>4</td>
<td>PHY 111 &amp; PHY 113 GENERAL PHYSICS</td>
</tr>
<tr>
<td>PHY 112**</td>
<td>GENERAL PHYSICS II</td>
<td>4</td>
<td>PHY 112 &amp; PHY 114 GENERAL PHYSICS</td>
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<tr>
<td>PHY 115**</td>
<td>UNIVERSITY PHYSICS I</td>
<td>5</td>
<td>E</td>
</tr>
<tr>
<td>PHY 116**</td>
<td>UNIVERSITY PHYSICS II</td>
<td>5</td>
<td>E</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>ASU Equivalent</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 121 (4)*</td>
<td>UNIV PHYSICS I: MECHANICS</td>
<td>PHY 121 &amp; PHY 122</td>
<td>UNIVERSITY PHYSICS I: MECHANICS</td>
</tr>
<tr>
<td>PHY 131 (4)*</td>
<td>UNIV PHY II: ELEC/MGNETSM</td>
<td>PHY 131 &amp; PHY 132</td>
<td>UNIVERSITY PHYSICS II ELEC &amp; MGNETSM</td>
</tr>
<tr>
<td>PHY 252 (4)</td>
<td>UNIV PHY III: TH/OP/WAPHE</td>
<td>PHY 252</td>
<td>PHYSICS III</td>
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</table>