Transfer Guide
UAH and Alabama Community Colleges
Math (MA) Major

Courses listed below can be taken at any Alabama Community College (ACC) and may be applied toward a Math degree at UAH. 64 credit hours can be applied toward a UAH College of Science degree.

### English Composition

<table>
<thead>
<tr>
<th>Course Title</th>
<th>ACC Course</th>
<th>UAH Equivalent</th>
<th>STARS Area</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition I</td>
<td>ENG 101</td>
<td>EH 101</td>
<td>Area I</td>
<td>3</td>
</tr>
<tr>
<td>English Composition II</td>
<td>ENG 102</td>
<td>EH 102</td>
<td>Area I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Humanities and Fine Arts

<table>
<thead>
<tr>
<th>Course Title</th>
<th>ACC Course</th>
<th>UAH Equivalent</th>
<th>STARS Area</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Art: Choose one</td>
<td>ART 1XX, ART 203, ART 204, MUS 101, THR 120</td>
<td>ARH 1XX, ARH 100, ARH 101, MU 100, TH 122</td>
<td>Area II</td>
<td>3</td>
</tr>
<tr>
<td>Literature: Choose one</td>
<td>ENG 251, 252, 261, 262, 271, 272</td>
<td>EH 201 or EH 208</td>
<td>Area II</td>
<td>3</td>
</tr>
<tr>
<td>Speech: Required</td>
<td>SPH 107</td>
<td>CM 113</td>
<td>Area II</td>
<td>3</td>
</tr>
<tr>
<td>Humanity/Fine Art/Lit.**</td>
<td>Choose one more course from: Fine art, Literature, Foreign Language, Philosophy, or Religion. **A sequence in History or Literature is required</td>
<td></td>
<td>Area II</td>
<td>3</td>
</tr>
</tbody>
</table>

### Mathematics

MA 171, MA 172, MA 201, MA 238, and MA 244 are required

- Pre-Calculus Algebra
  - MTH 112
  - MA 112
  - 3

- Pre-Calculus Trigonometry
  - MTH 113
  - MA 113
  - 3

- Calculus I
  - MTH 125
  - MA 171
  - Area III
  - 4

- Calculus II
  - MTH 126
  - MA 172
  - Area V
  - 4

- Calculus III
  - MTH 227
  - MA 201
  - Area V
  - 4

- Differential Equations
  - MTH 238
  - MA 238
  - Area V
  - 3

- Linear Algebra
  - MTH 237
  - MA 244
  - Area V
  - 3

### Natural/Lab Sciences
PH 111/114 + PH 112/115 are required plus one other lab science BYS 119, CH 101/105, CH 121/125, PH 113/116, or AST 106.

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<tr>
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<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology I</td>
<td>BIO 103</td>
<td>BYS 119</td>
<td>Area V</td>
<td>4</td>
</tr>
<tr>
<td>Intro to Chemistry</td>
<td>CHM 104</td>
<td>CH 101/105</td>
<td>Area V</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I</td>
<td>CHM 111</td>
<td>CH 121/125</td>
<td>Area V</td>
<td>4</td>
</tr>
<tr>
<td>Gen Physics w/ Calculus I</td>
<td>PHY 213</td>
<td>PH 111/114</td>
<td>Area III</td>
<td>4</td>
</tr>
<tr>
<td>Gen Physics w/ Calculus II</td>
<td>PHY 214</td>
<td>PH 112/115</td>
<td>Area III</td>
<td>4</td>
</tr>
<tr>
<td>Prin of Mod Physics</td>
<td>PHY 218</td>
<td>PH 113/116</td>
<td>Area V</td>
<td>4</td>
</tr>
<tr>
<td>Intro to Astronomy</td>
<td>AST 220</td>
<td>AST 106</td>
<td>Area V</td>
<td>4</td>
</tr>
</tbody>
</table>

### History, Social & Behavioral Sciences

- History: Choose one
  - HIS 101, 102,121,122,201,202
  - HY 101, 102, 103, 104, 221, 222
  - Area IV
  - 3

- Social & Behavioral Science: Choose 2
  - ANT 200, ECO 231, ECO 232, GEO 100, GEO 201, POL 211, PSY 200, PSY 210, SOC 200, SOC 210
  - SOC 105, ECN 142, ECN 143, GY 105, GY 110, PSC 101, PY 101, PY 201, SOC 100, SOC 102
  - Area IV
  - 6

- History/Soc & Beh Science**: Choose one more History or Social/Behavioral Science course **A sequence in History or Literature is required
  - Area IV
  - 3

### Computer Programming, required for all COS degrees. Choose one:

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<th>STARS Area</th>
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</thead>
<tbody>
<tr>
<td>C/C++Programming</td>
<td>CIS 251</td>
<td>CS 102</td>
<td>Area V</td>
<td>3</td>
</tr>
<tr>
<td>Advanced C++Programming</td>
<td>CIS 252</td>
<td>CS 121</td>
<td>Area V</td>
<td>3</td>
</tr>
</tbody>
</table>