ATTENTION ALABAMA TWO-YEAR COLLEGE STUDENTS

If you plan to transfer to UAB from an Alabama Community College to study biomedical engineering, this page lists required and recommended courses in Areas I through V, including courses specifically required by UAB in Area V.

This is the transfer page that is referred to in the articulation guide. The AGSC articulation guide and this page comprise the articulation agreement for a major in biomedical engineering at the University of Alabama at Birmingham.

Please print this page, fill in your name and today's date, and attach it to the engineering - biomedical articulation guide.

Name (print): ______________________________
Signature: ________________________________
Date: __________________

Core Curriculum Requirements
Students transferring from Alabama public two-year and four-year colleges and universities should consult the AGSC site for complete details regarding Areas I-IV for all majors, including the list of approved courses for each institution. Specific requirements for students planning to transfer to UAB and major in biomedical engineering are included below.

AREA I - Written Composition (6 semester hours)
AGSC: "Requirements include at least 6 semester hours in written composition."

AREA II - Humanities and Fine Arts (9 semester hours)
AGSC: Check AGSC web page for specific wording of Area II requirements. "...Requirements include at least 9 semester hours in humanities with a minimum of 3 semester hours in literature, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. ..."
UAB: Students preparing to complete the B.S. degree in engineering must demonstrate in-depth study in a particular discipline of the Humanities and Fine Arts (Core Area II) or History, Social, and Behavioral Sciences (Core Area IV). This is accomplished by completing six semester hours in a single discipline in either Core Area II or Core Area IV.

AREA III - Natural Sciences and Mathematics (11 semester hours)
AGSC: Check specific wording of Area III section on the AGSC web page. " . . . Requirements include at least 12 semester hours with at least 3 semester hours in mathematics at the analytic geometry and calculus level or higher, and at least 8 semester hours in calculus-based physics which must include laboratory experiences.”

UAB: Students planning to complete the B.S. degree in engineering can transfer mathematics courses only at the level of analytic geometry and calculus or higher.

UAB: Students planning to complete the bachelor's degree in biomedical engineering at UAB must take:

**Alabama College System Course**
MTH 125 Calculus I (3 sem. hrs.)
PHY 213 General Physics with Calculus I (4 sem. hrs.)
PHY 214 General Physics with Calculus II (4 sem. hrs.)

AREA IV - History, Social, and Behavioral Sciences (9 semester hours)
AGSC: Check specific wording of Area IV on AGSC web page. " . . . Requirements include 9 semester hours with at least a 3 semester hour course in history and at least 3 semester hours from among other disciplines in the social and behavioral sciences. . . .”

UAB: Students preparing to complete the B.S. degree in engineering must demonstrate in-depth study in a particular discipline of the Humanities and Fine Arts (Core Area II) or History, Social and Behavioral Sciences (Core Area IV). This is accomplished by completing six semester hours in a single discipline in either Core Area II or Core Area IV.

AREA V - Pre-Professional, Major, and Elective Courses for Biomedical Engineering at UAB (29 semester hours) Contact
Name: Dr. Timothy M. Wick
Title: Chair, Department of Biomedical Engineering
Phone: (205) 934-8420
E-mail: tmwick@uab.edu

REQUIRED COURSES: Requirements ratified by the AGSC for biomedical engineering
Alabama College System Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 126</td>
<td>Calculus II</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>MTH 227</td>
<td>Calculus III</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>MTH 238</td>
<td>Applied Differential Equations I</td>
<td>3 sem. hrs.</td>
</tr>
<tr>
<td>CHM 111</td>
<td>College Chemistry I</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>CHM 112</td>
<td>College Chemistry II</td>
<td>4 sem. hrs.</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Principles of Biology</td>
<td>4 sem. hrs.</td>
</tr>
</tbody>
</table>

TOTAL = 23 semester hours

COMPLETE REQUIREMENTS FOR BIOMEDICAL ENGINEERING MAJORS AT UAB:

**General Admission Requirements:**

Students declaring their intention to major in biomedical engineering may be classified as pre-engineering majors until they fulfill specific academic requirements. For a complete description of admission and other school wide requirements see the School of Engineering section of the Undergraduate Catalog [http://catalog.uab.edu/undergraduate/](http://catalog.uab.edu/undergraduate/).