ATTENTION ALABAMA TWO-YEAR COLLEGE STUDENTS

If you plan to transfer to UAB from an Alabama Community College to study Computer and Information Sciences, 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 Computer and Information Sciences at the University of Alabama at Birmingham.

Please print this page, fill in your name and today's date, and attach it to the Computer and Information Sciences 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 Computer and Information Sciences are included below.

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

<table>
<thead>
<tr>
<th>Alabama College System Course Titles</th>
<th>UAB Course Titles</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 – English Composition I</td>
<td>EH 101 – English Composition I</td>
</tr>
<tr>
<td>ENG 102 – English Composition II</td>
<td>EH 102 – English Composition II</td>
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</tbody>
</table>
### AREA II - Humanities and Fine Arts (12 semester hours)

"Requirements include at least 12 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."

<table>
<thead>
<tr>
<th>Literature</th>
<th>3 hours*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Choose 1 or 2 sequenced courses)</td>
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</tr>
</tbody>
</table>

#### Alabama College System Course Titles
- ENG 251 – American Literature I
- ENG 252 – American Literature II
- ENG 261 – English Literature I
- ENG 262 – English Literature II
- ENG 271 – World Literature I
- ENG 272 – World Literature II

#### UAB Course Titles
- EH 223 – American Literature I
- EH 224 – American Literature II
- EH 221 – British & Irish Literature I
- EH 222 – British & Irish Literature II
- EH 217 – World Literature I
- EH 218 – World Literature II

*A 6 hour sequence is required in Literature or History

#### Fine Art | 3 hours
(Choose 1 course)

#### Alabama College System Course Titles
- ART 100 – Art Appreciation
- ART 203 – Art History I
- ART 204 – Art History II
- MUS 101 – Music Appreciation
- THR 120 – Theatre Appreciation
- THR 126 – Introduction to Theatre

#### UAB Course Titles
- ARH 101 – The Art Experience
- ARH 203 – Ancient and Medieval
- ARH 204 – Renaissance through Modern Art
- MU 120 – Music Appreciation
- THR 100 – Introduction to Theatre
- Core Area II Fine Art Elective

### AREA III - Natural Sciences and Mathematics (11 semester hours)

"Requirements include at least 11 semester hours with at least 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences."
## Mathematics 3 hours
(Choose 1 course)

### Alabama College System Course Titles

- MTH 110 – Finite Mathematics
- MTH 112 – Pre-Calculus Algebra
- MTH 113 – Pre-Calculus Trigonometry
- MTH 115 – Pre-Calculus Algebra & Trigonometry
- MTH 120 – Calculus & Its Applications
- MTH 125 – Calculus I
- MTH 126 – Calculus II
- MTH 227 – Calculus III
- MTH 237 – Linear Algebra
- MTH 238 – Applied Differential Equations

### UAB Course Titles

- MA 110 – Finite Mathematics
- MA 105 – Pre-Calculus I
- MA 106 – Pre-Calculus II
- MA 107 – Pre-Calculus Algebra Trigonometry
- MA 109 – Survey of Calculus
- MA 125 – Calculus I
- MA 126 – Calculus II
- MA 227 – Calculus III
- MA 260 – Intro to Linear Algebra
- MA 252 – Intro Differential Equations

## Natural Science 8 hours
(Choose 2 courses)

### Alabama College System Course Titles

- BIO 101 – Introduction to Biology I
- BIO 102 – Introduction to Biology II
- CHM 104 – Intro to General Chemistry I
- CHM 105 – Intro to General Chemistry II
- CHM 111 – General Chemistry I
- CHM 112 – General Chemistry II
- GLY 101 – Introduction to Geology
- PHY 120 – Introduction to Physics
- PHY 201 – General Physics I
- PHY 202 – General Physics II
- PHY 213 – General Physics w/ Calculus I
- PHY 214 – General Physics w/ Calculus II

Other classes listed as AGSC on Area III science do not have a UAB equivalent but will be given Core Area III Natural Science elective credit and count toward core requirements.

### UAB Course Titles

- BY 101/102 – Topics in Contemporary Biology/Lab
- BY 111/112 – Ext Topics Contemporary Biology/Lab
- CH 105/106 – Intro to Chemistry I/Lab
- CH 107/108 – Intro to Chemistry II/Lab
- CH 115/116 – General Chemistry I/Lab
- CH 117/118 – General Chemistry II/Lab
- ES 101/102 – Physical Geology
- PHS 101 – Physical Science
- PH 201/201L – College Physics I/Lab
- PH 202/202L – College Physics II/Lab
- PH 221/221L – General Physics I/Lab
- PH 222/222L – General Physics II/Lab

###NOTE: Three courses (12 semester hours) are required in two different laboratory sciences, including a two-course sequence, choosing from the following:

**AGSC:** Students planning to major in Computer and Information Sciences must complete a two-course sequence in a natural science laboratory course.

NOTE: Three courses (12 semester hours) are required in two different laboratory sciences, including a two-course sequence, choosing from the following:
Alabama College System Course  |  UAB Course Titles
---|---
BIO 103 Principles of Biology I | BY 123 Intro Biology I
BIO 104 Principles of Biology II | BY 124 Intro Biology II
CHM 111 College Chemistry I | CH 115/116 General Chemistry I/Lab
CHM 112 College Chemistry II | CH 117/118 General Chemistry II Lab
PHY 213 General Physics with Calculus | PH 221/221L General Physics I/Lab
PHY 214 General Physics with Calculus II | PH 222/222L General Physics II Lab

**AREA IV - History, Social, and Behavioral Sciences (12 semester hours)**

"Requirements include 12 semester hours with at least a 3 semester hour course in history and at least 6 semester hours from among other disciplines in the social and behavioral sciences."

History, Social, and Behavioral Science 12 hours

History 3 hours*
(Choose 1 or 2 sequenced courses)

| Alabama College System Course Titles | UAB Course Titles |
---|---|
HIS 101 – History of Western Civilization I | HY 101 – Western Civilization I
HIS 102 – History of Western Civilization II | HY 102 – Western Civilization II
HIS 121 – World History I | HY 104 – World History to 1600
HIS 122 – World History II | HY 105 – World History 1600- Present
HIS 201 – United States History I | HY 121 – The US to 1877
HIS 202- United States History II | HY 122 – The US since 1877

Social and Behavioral Science 6-9 hours

Remaining hours can be chosen from other Area IV approved courses.

*A 6 hour sequence is required in Literature or History

**AREA V - Pre-Professional, Major, and Elective Courses for Computer and Information Sciences Majors at UAB (23 semester hours.)**

Contact

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Phone: (205) 934-7019
E-mail: [johnboy@uab.edu](mailto:johnboy@uab.edu)

1. **Required courses:** Requirements ratified by the AGSC for COMPUTER SCIENCE

| Alabama College System Course Titles | UAB Course Titles |
---|---|
MTH 113 Pre-calculus Trigonometry (if not already satisfied) | MA 106 Pre-Calculus II
MTH 125 Calculus I | MA 125 Calculus I
MTH 126 Calculus II | MA 126 Calculus II
2. List of courses to fulfill Area V for major in Computer and Information Sciences at UAB:

The additional 9-12 semester hours to complete Area V should be fulfilled by taking the following:

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<tr>
<th>Alabama College System Course Titles</th>
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<tr>
<td>CIS 255 Java Programming</td>
<td>CS 103 Introduction to Computation</td>
</tr>
<tr>
<td>CIS 285 Object Oriented Programming</td>
<td>CS 203 Object Oriented Programming</td>
</tr>
</tbody>
</table>

Additional recommended courses:

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<tbody>
<tr>
<td>PHL 206 Ethics and Society</td>
<td>PHL 115 Contemporary Moral Ethics</td>
</tr>
<tr>
<td>SPH 106 Fundamentals of Speech Communication</td>
<td>CMST 101 Public Speaking</td>
</tr>
<tr>
<td>-OR-</td>
<td>CMST 101 Public Speaking</td>
</tr>
<tr>
<td>SPH 107 Fundamentals of Public Speaking</td>
<td></td>
</tr>
</tbody>
</table>

General Admission Requirements:

No special requirements for admission into the College of Arts and Sciences beyond UAB's undergraduate admission requirements. For a complete description of majors and other school-wide requirements see [http://uab.edu/catalog](http://uab.edu/catalog)