# Computer Science & Information Technology/Computer Systems Technology Concentration

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDIT HOURS</th>
<th>TERM COMPLETED</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I (Fall)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 1110 Introduction to Information Technology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 1510 Introduction to Programming Using Java</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1530 Elementary Probability &amp; Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPCH 2100 Public Speaking</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester II (Spring)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSN¹ Business Elective</td>
<td>3-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 1520 Intermediate Java Programming</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 1810 Introduction to Database Design</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 2010 Macroeconomics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester III (Fall)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSN¹ Business Elective</td>
<td>3-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT² Elective from Group A</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2220 C# Programming</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CSIT 2520 SQL Applications Using Oracle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2230 Introduction to Internet Software Development</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2840 Systems Analysis &amp; Design</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester IV (Spring)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT² Elective from Group A, B or C</td>
<td>3-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2850 Capstone Lab</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2860 Computer Organization &amp; Architecture</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSIT 2911 Computer Science &amp; Information Technology Internship</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUM/FA³ Humanities/Fine Arts Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours Needed for Graduation:** 60

¹BUSN Electives to be chosen from any ACCT or BUSN course.
²CSIT
**Electives Group A:** Unduplicated course to be chosen from CSIT 2210, 2220, 2240, 2250, 2260, 2280, 2520, 2530.
**Electives Group B:** To be chosen from CSIT 2270, 2290, 2510.
**Electives Group C:** To be chosen from WEB 2300, WEB 2350, WEB 2501, WEB 2603.
³HUM/FA
See the list of General Education electives below.
### 2015-2016 General Education Electives for A.A.S. Degrees

#### Communication
- ENGL 1010 - English Composition I ★
- ENGL 1020 - English Composition II ★
- SPCH 2100 - Public Speaking ★

#### Humanities/Fine Arts
- ARTH 2010 - Survey of Art History I ★
- ARTH 2020 - Survey of Art History II ★
- ENGL 2110 - Early American Literature ★
- ENGL 2120 - Modern American Literature ★
- ENGL 2210 - British Literature: 650-1784 ★
- ENGL 2220 - British Literature: 1785-Present ★
- ENGL 2310 - World Literature: 2500 BCE ★
- ENGL 2320 - World Literature: 1650 ★
- ENGL 2331 - African-American Literature ★
- ENGL 2510 - Introduction to Poetry ★
- ENGL 2520 - Introduction to Drama ★
- ENGL 2530 - Introduction to Fiction ★
- ENGL 2810 - Introduction to Film Studies ★
- ENGL 2810 will fulfill a humanities elective but not the literature elective.
- MUS 1030 - Music Appreciation ★
- PHIL 1030 - Introduction to Philosophy ★
- PHIL 1500 - Philosophy & Film ★
- PHIL 2010 - Survey of World Religions ★
- PHIL 2400 - Introduction to Ethics ★
- PHO 1200 - History of Photography ★
- THEA 1030 - Introduction to Theatre ★

#### Mathematics
- MATH 1010 - Survey of Mathematics ★
- MATH 1130 - College Algebra ★
- MATH 1530 - Elementary Probability & Statistics ★
- MATH 1630 - Finite Mathematics ★
- MATH 1710 - Precalculus Algebra ★
- MATH 1720 - Precalculus Trigonometry ★
- MATH 1730 - Precalculus ★
- MATH 1830 - Basic Calculus & Modeling ★
- MATH 1910 - Calculus I ★

#### Natural Sciences
- BIOL 1110 - General Biology I ★
- BIOL 1120 - General Biology II ★
- BIOL 1310 - Concepts of Biology ★
- BIOL 2010 - Human Anatomy & Physiology I ★
- BIOL 2020 - Human Anatomy & Physiology II ★
- BOT 1010 - Fundamentals of Botany I ★
- BOT 1020 - Fundamentals of Botany II ★
- CHEM 1010 - Principles of Chemistry ★
- CHEM 1020 - Basic Organic & Biochemistry ★
- CHEM 1110 - General Chemistry I ★
- CHEM 1120 - General Chemistry II ★
- CHEM 1310 - Concepts of Chemistry ★
- GEOL 1040 - Physical Geology ★
- GEOL 1050 - Historical Geology ★
- GEOL 1300 - The Environment W/Lab ★
- GEOL 1310 - Concepts of Earth Science ★
- PHYS 1300 - Concepts of Physics ★
- PHYS 2100 - Noncalculus Based Physics I ★
- PHYS 2120 - Calculus Based Physics I ★
- PHYS 2120 - Calculus Based Physics II ★

#### Social/Behavioral Sciences
- ANT 1300 - Cultural Anthropology ★
- ECON 2010 - Macroeconomics ★
- ECON 2020 - Microeconomics ★
- GEOG 1000 - Introduction to Geography ★
- HIST 2040 - African-American Studies ★
- PHED 1100 - Concepts of Wellness ★
- POLS 1020 - Introduction to Political Science ★
- POLS 1030 - American Government ★
- PSYC 1030 - General Psychology ★
- PSYC 2100 - Psychology of Human Development ★
- PSYC 2130 - LifeSpan Psychology ★
- SOCI 1010 - Introduction to Sociology ★
- SOCI 1020 - Social Problems ★
- WMN 2200 - Women in Society ★

♦ This is a General Education course transferable within the Tennessee Board of Regents system.

★ This course is directly equivalent to a course at the University of Tennessee, Knoxville.