



## COMPUTER SCIENCE

### ASSOCIATE OF SCIENCE

#### Program Requirements

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>CREDIT HOURS</b>
<b>COMMUNICATION</b>	<b>9</b>
ENGL 1010: English Composition I	3
ENGL 1020: English Composition II	3
COMM 2025: Fundamentals of Communication OR any approved speech/communication general education course	3
<b>HUMANITIES &amp; FINE ARTS (minimum 1 course in literature)</b>	<b>9</b>
Any approved humanities or fine arts general education course	3
Any approved humanities or fine arts general education course	3
(literature) Any approved humanities literature general education course	3
<b>SOCIAL/BEHAVIORAL SCIENCES</b>	<b>6</b>
Any approved Social/Behavioral Sciences general education course <sup>1</sup>	3
Any approved Social/Behavioral Sciences general education course <sup>1</sup>	3
<b>HISTORY</b>	<b>6</b>
Any approved History general education course	3
Any approved History general education course	3
<b>NATURAL SCIENCES: Select one, eight-hour sequence from the following:</b>	<b>8</b>
BIOL 1110, 1120: General Biology I and II OR	8
CHEM 1110, 1120: General Chemistry I and II OR	8
PHYS 2010, 2020: Gen Physics I and II OR	8
PHYS 2110, 2120: Cal-Based Physics I and II <sup>2</sup>	8
<b>MATHEMATICS</b>	<b>4</b>
MATH 1910: Calculus I <sup>3</sup>	4
<b>GENERAL EDUCATION TOTAL</b>	<b>42</b>
<b>AREA OF EMPHASIS REQUIREMENTS (Major)</b>	
CISP 1010: Computer Science I	4
CISP 1020: Computer Science II	4
MATH 1920: Calculus II <sup>3</sup>	4
MATH 2010: Introduction to Linear Algebra, or MATH 2050: Calculus Based Prob/Stats <sup>4</sup>	3
CISP 2410: Assembly and Computer Organization	3-4
<b>AREA OF EMPHASIS REQUIREMENTS &amp; ELECTIVES TOTAL</b>	<b>18 or 19</b>
<b>DEGREE TOTAL</b>	<b>60 or 61</b>



**NOTES:**

<sup>1</sup> Students transferring to UTC should enroll in ECON 2100: Macroeconomics and ECON 2200: Microeconomics for the Social/Behavioral Science general education requirements.

<sup>2</sup> Students transferring to UTK must complete PHYS 2110, 2120: Calculus-based Physics I & II; students transferring to UTC in the Computer Engineering concentration must complete PHYS 2110/2120, Calculus-based Physics I & II.

<sup>3</sup> The Computer Science major requires completion of MATH 1910: Calculus I, MATH 1920: Calculus II and MATH 2010: Introduction to Linear Algebra either at the community college or at the university. Students who begin the TTP at a math course below Math 1910: Calculus may take more than 4 years to complete an AS and BS.

<sup>4</sup> Students transferring to MTSU should take MATH 2050: Calculus-Based Probability & Statistics. Students who transfer to TTU must complete MATH 2010, 2110, or 2120 as their third math course in the pathway.

