

**Bachelor of Arts**  
**Major in Computer Information Systems**  
*Student Worksheet*

**General Education Courses**

<p><b>I. Communication</b> <span style="float: right;"><b>9</b></span></p> <p>_____ SEGL 101 and SEGL 102</p> <p>_____ SSPH 201</p> <p><b>II. Mathematics<sup>1</sup></b> <span style="float: right;"><b>6</b></span></p> <p>_____ SMTH 102</p> <p>_____ SMTH 126</p> <p><b>III. Information Technology<sup>1</sup></b> <span style="float: right;"><b>3</b></span></p> <p>_____ SCSC 150</p> <p><b>IV. Natural Science</b> <span style="float: right;"><b>7-8</b></span></p> <p><i>Two courses from the following:</i>  <i>(at least one with the associated lab)</i></p> <p>_____ SAST 111/L; SBIO 101/L, 102/L,          110/L, 206, 240, 242/L, 270; SCHM          101/L, 105, 106, 107, 109/L, 111/L,          112/L; SGEG 201; SGEL 101/L,          102/L, 103/L, 120, 121, 123/L, 131, 241;          SPHS 101/L, 201/L, 202/L, 211/L,          212/L</p> <p><b>V. Arts and Humanities</b> <span style="float: right;"><b>6</b></span></p> <p><i>One fine arts course:</i></p> <p>_____ SAAS 204; SATH 101, 105, 106;          SMUS 110; STHE 161, 170</p> <p><i>One course from the following:</i>  <i>(no more than 3 credit hours from a specific discipline)</i></p> <p>_____ SAAS 204; SAMS 101, 102; SATH          101, 105, 106; SEGL 250, 252, 275,          279, 280, 283, 289, 290, 291; SFLM          240; SMUS 110; SPHL 102, 211;          SREL 103; STHE 161, 170</p> <p><b>VI. Foreign Language and Culture</b> <span style="float: right;"><b>3</b></span></p> <p><i>Foreign Language minimum 102 level</i></p> <p>_____ SCHI 102; SFRN 102; SGRM 102; SSPN 102</p> <p>Placement in a 201 or higher level language course** (Students placing into 201 or higher level of a language have satisfied this requirement but will have additional hours in electives, if hours are required in the major).</p> <p><b>VII. History</b> <span style="float: right;"><b>3</b></span></p> <p>_____ SHST 101, 102, 105, or 106</p>	<p><b>VIII. Social and Behavioral Sciences</b> <span style="float: right;"><b>6</b></span></p> <p><i>Two courses from the following with two disciplines represented:</i></p> <p>_____ SAAS 201; SANT 102; SECO 221,          222; SGEG 101, 103; SGIS 101, 200          320; SPSY 101; SSOC 101; SWST 101</p>
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<p><b>Core Major Requirements<sup>1</sup></b> <span style="float: right;"><b>42</b></span></p> <p>_____ SCSC 200: Computer Science I <span style="float: right;">3</span></p> <p>_____ SCSC 234: Visual BASIC          Programming or SCSC 238: C++          Programming <span style="float: right;">3</span></p> <p>_____ SCSC 300: Computer Science II <span style="float: right;">3</span></p> <p>_____ SCSC 311: Information Systems          Hardware and Software <span style="float: right;">3</span></p> <p>_____ SCSC 321: Computer Science III <span style="float: right;">3</span></p> <p>_____ SCSC 412: Computer Networks I <span style="float: right;">3</span></p> <p>_____ SCSC 455: Computer Security <span style="float: right;">3</span></p> <p>_____ SCSC 520: Database System          Design <span style="float: right;">3</span></p> <p>_____ SCSC 521: Database Implementation,          Application &amp; Administration <span style="float: right;">3</span></p> <p>_____ SBAD 371: Organizational Mgmt.          and Behavior <span style="float: right;">3</span></p> <p>_____ SEGL 245/252/346 <span style="float: right;">3</span></p> <p>_____ or SJOU 301/304/335</p> <p>_____ SMTH 174: Discrete Mathematics <span style="float: right;">3</span></p> <p>_____ SMTH 202: Elemtry. Statistics II <span style="float: right;">3</span></p> <p>_____ or SMTH 315: Statistical Methods I          or SMTH 127: Pre-Calculus II</p> <p>_____ SCSC 599: Senior Seminar <span style="float: right;">3</span></p>	<p>One of the following <i>Areas of Focus</i>:</p> <p><b>Networking and Information Security<sup>1</sup></b> <span style="float: right;"><b>24</b></span></p> <p>_____ SCSC 512: Networking II <span style="float: right;">3</span></p> <p>_____ SCSC 555: Advanced Computer          Security &amp; Information Assurance <span style="float: right;">3</span></p> <p>Two courses to be selected from the following: 6</p> <p>_____ SCSC 355: Digital Forensics; or</p> <p>_____ SCSC 356: Cryptography; or</p> <p>_____ SCSC 515: Wireless Networking</p> <p>_____ SCSC 516: Distributed and Network          Programming; or</p> <p>_____ Any SCSC 300 level or above course          for majors<sup>2</sup>:</p> <p>_____</p> <p>_____</p>
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<sup>1</sup>A minimum grade of C is required.  
<sup>2</sup>Excluding SCSC 315, 325 and 441.

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Twelve hours from the following: 12  
 SBAD 347: Legal Environment of Business; or  
 SCRJ 101: Intro to Criminal Justice; or  
 SCRJ 420<sup>3</sup>: Criminal Procedure; or  
 SCRJ 325<sup>3</sup>: Criminal Trial Practice; or  
 SCRJ 301<sup>3</sup>: Crime in America; or  
 SCRJ 321<sup>3</sup>: Criminal Law; or  
 Required courses for Computer Technology  
 programs at technical/community colleges; or  
 Advisor approved courses selected from  
 Computer Science

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Two additional 300 level or above SBAD courses 6

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**Electives** 10-11

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**Total Hours Required 120**

**System Analysis<sup>1</sup> 24**  
 SCSC 450: E-Business Web Application Development 3  
 SCSC 540: Software Engineering 3  
 Any two upper level SCSC courses for majors<sup>2</sup> 6  
 SBAD 225: Financial Accounting 3  
 SBAD 226 or any upper level Business or Economics course 3

**Automation<sup>1,4</sup> 24**  
 SCSC 314: Industrial Robotics 3  
 SCSC 441: Experiential Learning (robotics internship) OR 3  
 SCSC 399: Independent Study (in robotics)  
 SCSC 580: Introduction to Artificial Intelligence OR 3  
 SCSC 585: Intro to Computer Vision  
 SBAD 372: Operations Management 3  
 SETM 320: Engineering Cost Analysis 4  
 SETM 330: Engineering Work Analysis 4  
 SETM 410: Engineering Teams Theory and Practice 4

<sup>1</sup>A minimum grade of C is required in each course indicated.  
<sup>2</sup>Excluding SCSC 315, 325 and 441.  
<sup>3</sup>SCRJ 101 is required as a prerequisite.  
<sup>4</sup>Students focusing in Automation must take SPHS 201/202 General Physics I and II to fulfill their IV Natural Science requirements.