

### Computer Science (BS)

Suggested Plan of Study		2019-2020 Catalog	
<b>Fall - Semester 1</b>		<b>Spring - Semester 2</b>	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
****MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
***CSCI 2103/2101 Computer Science I/Lab	4	CSCI 2113/2111 Computer Science II/Lab	4
Fine Arts/Humanities (ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
<b>Fall - Semester 3</b>		<b>Spring - Semester 4</b>	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics II/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 3203 Assembler and Machine Organization	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
CSCI 3103 Data Structures and Algorithms	3	CSCI 3703 Computer Architecture	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
<b>Fall - Semester 5</b>		<b>Spring - Semester 6</b>	
CSCI 3063 High Level Language	3	CSCI 3143 Network Security	3
CSCI 3213 Computer Networking	3	CSCI 4203 Data Modeling and Application	3
MATH 2753 Linear Algebra	3	MATH 2033 Discrete Mathematics	3
UL CSCI/MATH Elective	3	UL CSCI/MATH Elective	3
CSCI 3901 Special Topics in Computer Science or MGMT 4301 Special Topics in Management	1	CSCI 4133 Operating Systems	3
<b>Total Semester Hours</b>	<b>13</b>	<b>Total Semester Hours</b>	<b>15</b>
<b>Fall - Semester 7</b>		<b>Spring - Semester 8</b>	
MATH 4073 Introduction to Probability and Statistics	3	CSCI 3233 Theory of Computation	3
CSCI 4143 Programming Language and Compilers	3	CSCI 4153 Software Engineering	3
ENGL 3023 Technical Writing	3	CSCI 4923 Senior Project	3
UL CSCI/MATH Elective	3	UL CSCI/MATH Elective	3
UL CSCI/MATH Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

\*\* Student can complete a math minor by selecting one of the following courses: MATH 3033, 3063, 3083, 4003, 4033, 4093, or 4613.

\*\*\*CSCI 1102/1101 is a prerequisite for CSCI 2103 depending on computer experience.

\*\*\*\* Pre-requisite work may be required based on math placement policies.