

Computer Science (BS): Privacy and Cyber Security Option

Suggested Plan of Study		2016-2017 Catalog	
Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1045 Pre-Calculus Mathematics	5	MATH 2123 Applied Calculus for Technology	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 2013, HUM 2003, MUS 2013, THEA 2003 or Foreign Language)	3
**CSCI 1102/1101 Introduction to Computing/Lab or Elective	3	Biological Science choice/Lab BSCI 1013/1011 or BIOL 1103/1101	4
GSTD 1002 Freshman Seminar	2	*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
Total Semester Hours	16	Total Semester Hours	16
Fall – Semester 3		Spring – Semester 4	
CSCI 2103 Computer Science I	3	PHYS 2103/2101 College Physics II/Lab	4
PHYS 2003/2001 College Physics I/Lab	4	CSCI 2XX3 Theory of computation	3
CSCI 3103 Data Structures and Algorithms	3	ENGR 3103 Digital Electronics	3
World Literature I/II (ENGL 2213 or ENGL 2223)	3	CSCI 2113 Computer Science II	3
CSCI 3902 Special Topics in Computer Science	2	CSCI 3203 Assembler and Machine Organization	3
Total Semester Hours	15	Total Semester Hours	16
Fall – Semester 5		Spring – Semester 6	
CSCI 3063 High Level Language/Intermediate Computer programming	3	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2013, PHIL 2403, or THEA 2003)	3
CSCI 4133 Operating Systems	3	CSCI 3703 Computer Architecture	3
ENGL 3003 Advanced Professional Writing	3	CSCI 4203 Data Modeling and Application	3
CSCI 3143 Computer Networks & Security	3	MATH 3043 Introduction to Applied Probability and Statistics	3
UL CSCI Elective	3	UL CSCI Elective	3
Total Semester Hours	15	Total Semester Hours	15
Fall – Semester 7		Spring – Semester 8	
CSCI 4143 Programming Language and Compilers	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
CSCI 4xx3 Cyber forensics	3	CSCI 4413 Web Programming	3
CSCI 4xx3 Cyber Defense	3	UL CSCI Elective	3
CSCI 4xx3 Privacy Engineering	3	CSCI 4153 Software Engineering	3
UL CSCI Elective	3		
Total Semester Hours	15	Total Semester Hours	12

Total hours required for major – 120

CSCI Electives

CSCI 3903 Special Topics in Computer Science	CSCI 4163 Computer Graphics
CSCI 4173 Computerized Simulations	CSCI 3133 Advanced UNIX/LINUX
CSCI 3xx3 Mobile and Wearable Programming	CSCI 3403 Artificial Intelligence

*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.

** Prerequisite for CSCI 2103 depending on computer experience, a student may substitute an elective.