

# Computer Science & Information Systems

## A.A.S. Computer Science and Information Systems: Software Development

200511 Revised 11/2016 (Fall 2017)

COLL 100	First Year Seminar	1		
General Education Requirements		Credits	Semester Taken	Prerequisites
ENGL 101	Composition & Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
HIST 120 HIST 121 POLS 135 POLS 136 POLS 137	United States History to 1865 <i>or</i> United States History Since 1865 Introduction to Political Science <i>or</i> Introduction to American National Politics Introduction to State and Local Politics	3		
COMM 100 COMM 102	Fundamentals of Speech <i>or</i> Fundamentals of Human Communications	3		ENGL 90 with a minimum grade of S or appropriate placement score.
MATH 120 or higher		3		
<i>Any course numbered 100 or above from the following disciplines: ART, ANTH, COMM, ECON, ENGL, Foreign Language, GEOG (except 104 &amp; 110 and GIS courses), HIST, HUMN, MUSI, PHIL, POLS, PSYC, SIGN, SOSOC, SOCI, THEA</i>		3-5		
<i>Any course numbered 100 or above from the following disciplines: BIOL, CHEM, GEOG (104 &amp; 110), GEOL, MATH 120 or above, PHYS</i>		3-6		
<b>Minimum Total General Education Credit Hours</b>		<b>18</b>		
Specific Program Requirements		Credits	Semester Taken	Prerequisites
BSAD 221	Business Communications	3		ENGL 90 with a minimum grade of S or appropriate placement score.
CSIS 110	Information Technology Fundamentals	3		
CSIS 115	Computer Concepts and Applications	3		
Emphasis Area				
CSIS 123	Programming Fundamentals	3		MATH 40/40L or appropriate placement score (CSIS 123)
CSIS 128	Web Development	3		CSIS 115 w/ a C or higher
CSIS 143	Database Design and Management	3		CSIS 115
CSIS 152	Linux Operating System	3		CSIS 110
CSIS 161	Networking Fundamentals	3		CSIS 110
CSIS 170	Principles of Information Assurance	3		CSIS 110
CSIS 222	Object-Oriented Programming with Java	3		MATH 104 or higher and CSIS 123
CSIS 223	Object-Oriented Programming	3		CSIS 123 and MATH 110
CSIS 228	Advanced Web Development	3		CSIS 128
CSIS 279	Web Database Programming	3		CSIS 123, 128, and 143
CSIS 290	Field Competencies and Employment Strategies	3		Instructor approval
<b>Total Credit Hours Required</b>		<b>61-68</b>		