

**CIS Curriculum
Effective Fall 2017
Semester-by-Semester Course Plan**

Red = Application Development (102A)
Blue = Networking & System Management (102D)
Orange = Web Development (102E)
Purple = Core Programming (102F)
Green = CIS Core & Concentration Common Courses

Highlight Meaning: Yellow – Satisfied Requirement; Blue – On Track To Satisfy Requirement/Currently Taking; Red/Orange – Suggestion to Take; Green – See If We Can Substitute; Blank – Still to be Satisfied

	Hours		Hours
Fall – 1st Year		Spring – 1st Year	
BUAD 1800	3	CIS 1030	3
CIS 1015	3	CIS 2000	3
ENGL 1010	3	CIS 2050	3
FA 1040	3	ENGL 1020	3
MATH 1020	3	MATH 1060	3
UNIV1000	1		
Total	16	Total	15
Fall – 2nd Year		Spring – 2nd Year	
BUAD 2120	3	ACCT 2000	3
BUAD 2200	3	CIS 3020	3
CIS 2980	3	CIS 3300 / CIS 3980 / CIS 3300 / CIS 3300	3
ECON 2000	3	ECON 2010	3
SCI 1010	3	SCI 1020	3
Total	15	Total	15
Fall – 3rd Year		Spring – 3rd Year	
ACCT 2010	3	BUAD 3270	3
CIS 4020 / CIS 3400 / CIS Elective / CIS 4020	3	CIS 3970 / CIS 3410 / CIS 3970 / CIS 3970	3
CIS 4030 / CIS 3700 / CIS 4030 / CIS 4030	3	CIS 4000 / CIS 4220 / CIS 4000 / CIS 3000	3
ENGL2110 / ENGL2110 / ENGL2110 / CIS 2020	3	MGT 3220	3
SCI 2010 or 2020	3	PSYC 1010	3
Total	15	Total	15
Fall – 4th Year		Spring – 4th Year	
CIS 3900	3	BUAD 3280	3
CIS 4060 / CIS 4080 / CIS 4060 / CIS 2100	3	BUAD 4900	3
FIN 3090	3	CIS 4600	2
MGT 3580	3	CIS Elective / CIS Elective / CIS 4100 / ENGL2110	3
MKTG 3230	3	HIST (1010, 1020, 2010, 2020)	3
Total	15	Total	14

Degree Worksheet: Computer Information Systems: *Application Development Concentration* (Effective Fall 2017)

NAME: _____ CWID# _____ E-mail: _____

University Core	Hrs	Grade	CIS Curriculum	Hrs	Grade
ENGLISH			CIS 1015 Intro. to CIS	3	
ENGL 1010 Composition and Rhetoric I	3		CIS 1030 Intro. to Software Dev. (Java I)	3	
ENGL 1020 Composition and Rhetoric II	3		CIS 2980 Database Systems	3	
MATHEMATICS			CIS 3020 Web Page Development	3	
MATH 1020 College Algebra	3		CIS 3900 Systems Analysis and Development	3	
MATH 1060 Finite Mathematics	3		CIS 4600 Advanced Systems Development	3	
SCIENCES			Application Development Concentration:		
SCI 1010 Basic Concepts of Physical Science I	3		CIS 2050 Essentials of Network Design and Hardware	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 3300 Intermediate Object-Oriented Programming (Java II)	3	
SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II	3		CIS 3970 Secure Programming Principles	3	
HUMANITIES			CIS 4000 Advanced Database Systems	3	
ENGL 2110 Introduction to Literature	3		CIS 4020 Advanced Object-Oriented Programming (Java III)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 4030 Web Applications: Client-side Development (JavaScript)	3	
BUAD2200 Business Reports & Communication	3		CIS 4060 Mobile Applications Development	3	
FINE ARTS			1 Elective from 2020, 2100, 3000, 3400, 3410, 3700, 3980, 4040, 4070, 4080, 4100, 4200, 4220, 4300, 4400, and 4700.	3	
FA 1040 Exploring the Arts	3		Total CIS	42	
SOCIAL/BEHAVIORAL SCIENCES			Business Core		
ECON 2000 Principles of Macroeconomics	3		ACCT 2000 Financial Accounting	3	
PSYC 1010 General Psychology	3		ACCT 2010 Managerial Accounting	3	
Total University Core Hours	39		BUAD 2120 Basic Business Statistics	3	
			BUAD 3270 International Business	3	
Additional Support Courses			BUAD 3280 Cyber Business Law	3	
BUAD 1800 (Intro. to Info. Technology)	3		BUAD 4900 Business Senior Seminar	2	
CIS 2000 (Spreadsheet Apps.)	3		FIN 3090 Business Finance	3	
ECON 2010 Principles of Microeconomics	3		MGT 3220 Organization and Management	3	
UNIV 1000 The University Experience	1		MGT 3580 Operations Management	3	
Total Additional Support Hours	10		MKTG 3230 Principles of Marketing	3	
			Total Business Core	29	
			TOTAL DEGREE HOURS	120	

**Degree Worksheet: Computer Information Systems: *Networking & Systems Management*
Concentration
(Effective Fall 2017)**

NAME: _____ CWID# _____ E-mail: _____

University Core	Hrs	Grade	CIS Curriculum	Hrs	Grade
ENGLISH			CIS 1015 Intro. to CIS	3	
ENGL 1010 Composition and Rhetoric I	3		CIS 1030 Intro. to Software Dev. (Java I)	3	
ENGL 1020 Composition and Rhetoric II	3		CIS 2980 Database Systems	3	
MATHEMATICS			CIS 3020 Web Page Development	3	
MATH 1020 College Algebra	3		CIS 3900 Systems Analysis and Development	3	
MATH 1060 Finite Mathematics	3		CIS 4600 Advanced Systems Development	3	
SCIENCES			Networking and Systems Management Concentration:		
SCI 1010 Basic Concepts of Physical Science I	3		CIS 2050 Essentials of Network Design and Hardware	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 3400 Telecommunications and Networks	3	
SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II	3		CIS 3410 Certified Ethical Hacking	3	
HUMANITIES			CIS 3700 Introduction to Servers	3	
ENGL 2110 Introduction to Literature	3		CIS 3980 Introduction to Information Security	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 4080 Cloud Computing	3	
BUAD2200 Business Reports & Communication	3		CIS 4220 Network Implementation and Administration	3	
FINE ARTS			1 Elective from 2020, 2100, 3000, 3300, 3970, 4000, 4020, 4030, 4040, 4060, 4070, 4100, 4200, 4300, 4400, and 4700.	3	
FA 1040 Exploring the Arts	3		Total CIS	42	
SOCIAL/BEHAVIORAL SCIENCES			Business Core		
ECON 2000 Principles of Macroeconomics	3		ACCT 2000 Financial Accounting	3	
PSYC 1010 General Psychology	3		ACCT 2010 Managerial Accounting	3	
Total University Core Hours	39		BUAD 2120 Basic Business Statistics	3	
			BUAD 3270 International Business	3	
Additional Support Courses			BUAD 3280 Cyber Business Law	3	
BUAD 1800 (Intro. to Info. Technology)	3		BUAD 4900 Business Senior Seminar	2	
CIS 2000 (Spreadsheet Apps.)	3		FIN 3090 Business Finance	3	
ECON 2010 Principles of Microeconomics	3		MGT 3220 Organization and Management	3	
UNIV 1000 The University Experience	1		MGT 3580 Operations Management	3	
Total Additional Support Hours	10		MKTG 3230 Principles of Marketing	3	
			Total Business Core	29	
			TOTAL DEGREE HOURS	120	

Degree Worksheet: Computer Information Systems: *Web Development Concentration* (Effective Fall 2017)

NAME: _____ CWID# _____ E-mail: _____

University Core	Hrs	Grade	CIS Curriculum	Hrs	Grade
ENGLISH			CIS 1015 Intro. to CIS	3	
ENGL 1010 Composition and Rhetoric I	3		CIS 1030 Intro. to Software Dev. (Java I)	3	
ENGL 1020 Composition and Rhetoric II	3		CIS 2980 Database Systems	3	
MATHEMATICS			CIS 3020 Web Page Development	3	
MATH 1020 College Algebra	3		CIS 3900 Systems Analysis and Development	3	
MATH 1060 Finite Mathematics	3		CIS 4600 Advanced Systems Development	3	
SCIENCES			Web Development Concentration:		
SCI 1010 Basic Concepts of Physical Science I	3		CIS 2050 Essentials of Network Design and Hardware	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 3300 Intermediate Object-Oriented Programming (Java II)	3	
SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II	3		CIS 3970 Secure Programming Principles	3	
HUMANITIES			CIS 4000 Advanced Database Systems	3	
ENGL 2110 Introduction to Literature	3		CIS 4030 Web Applications: Client-side Development (Javascript)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 4060 Mobile Applications Development	3	
BUAD2200 Business Reports & Communication	3		CIS 4100 Web Applications: Server-side Development (PHP)	3	
FINE ARTS			1 Elective from 2020, 2100, 3000, 3400, 3410, 3700, 3980, 4020, 4040, 4060, 4070, 4080, 4200, 4220, 4300, 4400, and 4700.	3	
FA 1040 Exploring the Arts	3		Total CIS	42	
SOCIAL/BEHAVIORAL SCIENCES			Business Core		
ECON 2000 Principles of Macroeconomics	3		ACCT 2000 Financial Accounting	3	
PSYC 1010 General Psychology	3		ACCT 2010 Managerial Accounting	3	
Total University Core Hours	39		BUAD 2120 Basic Business Statistics	3	
			BUAD 3270 International Business	3	
Additional Support Courses			BUAD 3280 Cyber Business Law	3	
BUAD 1800 (Intro. to Info. Technology)	3		BUAD 4900 Business Senior Seminar	2	
CIS 2000 (Spreadsheet Apps.)	3		FIN 3090 Business Finance	3	
ECON 2010 Principles of Microeconomics	3		MGT 3220 Organization and Management	3	
UNIV 1000 The University Experience	1		MGT 3580 Operations Management	3	
Total Additional Support Hours	10		MKTG 3230 Principles of Marketing	3	
			Total Business Core	29	
			TOTAL DEGREE HOURS	120	

Degree Worksheet: Computer Information Systems: *Core Programming Concentration* (Effective Fall 2017)

NAME: _____ CWID# _____ E-mail: _____

University Core	Hrs	Grade	CIS Curriculum	Hrs	Grade
ENGLISH			CIS 1015 Intro. to CIS	3	
ENGL 1010 Composition and Rhetoric I	3		CIS 1030 Intro. to Software Dev. (Java I)	3	
ENGL 1020 Composition and Rhetoric II	3		CIS 2980 Database Systems	3	
MATHEMATICS			CIS 3020 Web Page Development	3	
MATH 1020 College Algebra	3		CIS 3900 Systems Analysis and Development	3	
MATH 1060 Finite Mathematics	3		CIS 4600 Advanced Systems Development	3	
SCIENCES			Core Programming Concentration:		
SCI 1010 Basic Concepts of Physical Science I	3		CIS 2020 Introduction to Programming (COBOL I)	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 2050 Essentials of Network Design and Hardware	3	
SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II	3		CIS 2100 Software Development (Visual Studio.NET)	3	
HUMANITIES			CIS 3000 Intermediate Application Development (COBOL II)	3	
ENGL 2110 Introduction to Literature	3		CIS 3300 Intermediate Object-Oriented Programming (Java II)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 3970 Secure Programming Principles	3	
BUAD2200 Business Reports & Communication	3		CIS 4020 Advanced Object-Oriented Programming (Java III)	3	
FINE ARTS			CIS 4030 Web Applications: Client-side Development (JavaScript)	3	
FA 1040 Exploring the Arts	3		Total CIS	42	
SOCIAL/BEHAVIORAL SCIENCES			Business Core		
ECON 2000 Principles of Macroeconomics	3		ACCT 2000 Financial Accounting	3	
PSYC 1010 General Psychology	3		ACCT 2010 Managerial Accounting	3	
Total University Core Hours	39		BUAD 2120 Basic Business Statistics	3	
			BUAD 3270 International Business	3	
Additional Support Courses			BUAD 3280 Cyber Business Law	3	
BUAD 1800 (Intro. to Info. Technology)	3		BUAD 4900 Business Senior Seminar	2	
CIS 2000 (Spreadsheet Apps.)	3		FIN 3090 Business Finance	3	
ECON 2010 Principles of Microeconomics	3		MGT 3220 Organization and Management	3	
UNIV 1000 The University Experience	1		MGT 3580 Operations Management	3	
Total Additional Support Hours	10		MKTG 3230 Principles of Marketing	3	
			Total Business Core	29	
			TOTAL DEGREE HOURS	120	