

**CIS Curriculum
Effective Fall 2020
Semester-by-Semester Course Plan**

**Application Development (102A) • Networking & System Management (102D) •
Web Development (102E) • Cyber Security (102G)**

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 Concentration Class	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 Concentration Class	3		CIS Concentration Class	3
CIS Concentration Class	3		CIS Concentration Class	3
ENGL2110	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 Concentration Class	3		BUAD 4900	3
FIN 3090	3		CIS 4600	2
MGT 3580	3		CIS Concentration Class	3
MKTG 3230	3		HIST (1010, 1020, 2010, 2020)	3
Total	15		Total	14

Degree Worksheet: Computer Information Systems: *Application Development Concentration* (Effective Fall 2020)

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 (CompTIA A+)	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 2040 Video Game Development or CIS 4060 Mobile Applications Development	3	
FINE ARTS			1 Elective from any CIS class except CIS 1010, CIS 1060, CIS 3050, CIS 3100, and CIS 4050	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 2020)

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 (CompTIA A+)	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 3400 Telecommunications and Networks (CompTIA Network+)	3	
SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II	3		CIS 3700 Introduction to Servers (CompTIA Server+)	3	
HUMANITIES			CIS 3800 Enterprise Operating Systems (Microsoft Exam 70-742 – part of the MCSE series)	3	
ENGL 2110 Introduction to Literature	3		CIS 3980 Introduction to Information Security (CompTIA Security+)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 4080 Cloud Computing (CompTIA Essentials of Cloud)	3	
BUAD2200 Business Reports & Communication	3		CIS 4220 Network Implementation and Administration (Cisco CCENT)	3	
FINE ARTS			CIS 4230 Advanced Network Implementation and Administration (Cisco CCNA)	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 2020)

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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 (CompTIA A+)	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 4030 Web Applications: Client-side Development (Javascript)	3	
ENGL 2110 Introduction to Literature	3		CIS 4100 Web Applications: Server-side Development (PHP)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		6 Hours from ART 2560, 3410, 3560, 3810, 3960, 4560, 4610, 4960, CIS 4000, 4060	6	
BUAD2200 Business Reports & Communication	3		1 CIS Elective from any CIS class except CIS 1010, CIS 1060, CIS 3050, CIS 3100, and CIS 4050	3	
FINE ARTS			Total CIS	42	
FA 1040 Exploring the Arts	3		Business Core		
SOCIAL/BEHAVIORAL SCIENCES			ACCT 2000 Financial Accounting	3	
ECON 2000 Principles of Macroeconomics	3		ACCT 2010 Managerial Accounting	3	
PSYC 1010 General Psychology	3		BUAD 2120 Basic Business Statistics	3	
Total University Core Hours	39		BUAD 3270 International Business	3	
			BUAD 3280 Cyber Business Law	3	
Additional Support Courses			BUAD 4900 Business Senior Seminar	2	
BUAD 1800 (Intro. to Info. Technology)	3		FIN 3090 Business Finance	3	
CIS 2000 (Spreadsheet Apps.)	3		MGT 3220 Organization and Management	3	
ECON 2010 Principles of Microeconomics	3		MGT 3580 Operations Management	3	
UNIV 1000 The University Experience	1		MKTG 3230 Principles of Marketing	3	
Total Additional Support Hours	10		Total Business Core	29	
			TOTAL DEGREE HOURS	120	

Degree Worksheet: Computer Information Systems: *Cyber Security Concentration* (Effective Fall 2020)

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			Cyber Security Concentration:		
SCI 1010 Basic Concepts of Physical Science I	3		CIS 2050 Essentials of Network Design and Hardware (CompTIA A+)	3	
SCI 1020 Basic Concepts of Biological Science I	3		CIS 3400 Telecommunications and Networks (CompTIA Network+)	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 (CompTIA Server+)	3	
ENGL 2110 Introduction to Literature	3		CIS 3800 Enterprise Operating Systems (Microsoft Exam 70-742 – part of the MCSE series)	3	
HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States	3		CIS 3980 Introduction to Information Security (CompTIA Security+)	3	
BUAD2200 Business Reports & Communication	3		CIS 4040 Cyber Forensics	3	
FINE ARTS			1 CIS Elective from any CIS class except CIS 1010, CIS 1060, CIS 3050, CIS 3100, and CIS 4050	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	