

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

2018-2019 Degree Requirements

TOTAL CREDITS FOR DEGREE: 121

UNIVERSITY CORE CURRICULUM 42 credits

Required Courses:

___	COMM 101	Oral Comm. & Pres.	3 credits
___	ENGL 101	College Composition	3 credits
___	UNIV 101	City-University Life	3 credits
___	CMPS 480	Capstone Sr. Project	3 credits

Choose thematic core courses in the following:

___	Explore the World – ECON 201		3 credits
___	Explore the World - Choice 2		3 credits
___	Investigate Science		3 credits
___	Investigate Mathematics MATH 180		3 credits
___	Interpret Creative Works		3 credits
___	Understand People – PSYC 150		3 credits
___	Understand People - Choice 2		3 credits
___	Succeed in Business BMGT 234		3 credits
___	Appreciate & Apply the Arts		3 credits
___	Discover Technology CMPS 114		3 credits

BUSINESS CORE REQUIREMENTS: 34 credits

MATH 175	Elementary Statistics	3	
MATH 180	College Algebra (Investigate Math.)	C	
PSYC 150	Psych. Foundations (Understand People)	C	
ACCT 210	Intro to Financial Accounting	3	
ACCT 220	Managerial Accounting	3	
BMGT 201	Business Law I	3	
BMGT 205	Principles of Marketing	3	
BMGT 234	Business Ethics	3	
BMGT 280	Business Career Prep	1	
BMGT 300	Corporate Finance	3	
BMGT 338	Operations Mgmt/QA	3	
BMGT 340	Org Behavior w/Topics in Mgt	3	
CMPS 114	Problem Solving w/IT	C	
CMPS 300	Info Tech for Managers	3	
CMPS 480	Senior Project	C	
ECON 202	Prin. Of Microeconomics	3	
	<u>MAJOR REQUIREMENTS:</u> 36 cr.		
CMPS 160	Databases	3	
CMPS 161	Networking and Security	3	
CMPS 162	Intro to Programming	3	
CMPS 163	Business Analytics	3	
CMPS 260	Data Structures	3	
CMPS 261	Server Management	3	
CMPS 262	Advanced Programming	3	
ECON 201	Prin. Of Macroeconomics	C	

Choose 15 credits from the following:

BMGT 208	Principles of Management	3	
BMGT 380	Cooperative Education I	6	
BMGT 480	Cooperative Education II	6	
CMPS 214	Microcomputing	3	
CMPS 355	Internship in Information Tech I	3	
CMPS 356	Internship in Information Tech II	3	
CMPS 360	Survey of Programming Languages	3	
CMPS 361	Web Application Development	3	
CMPS 362	Networking	3	
CMPS 363	Digital Security	3	
CMPS 364	NoSQL Databases	3	
CMPS 330	Electric Commerce I	3	
CMPS 430	Electric Commerce II	3	
CMPS 460	Mobile Application Development	3	
CMPS 461	Big Data Applications	3	
CMPS 462	Data Mining	3	
CMPS 463	Entrepreneurship for Software Dev	3	
CMPS 464	Software Develop for E-Commerce	3	
	<i>Or Special Topics/Independent Study Courses</i>	1-6	

General Electives: 9 cr.

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PROGRAM OBJECTIVES

Upon successful completion of this program, a student will be able to:

1. Work well with others and with a demonstrated appreciation of individual differences and a sensitivity to diversity.
2. Clearly communicate thoughts and ideas both verbally and in writing.
3. Apply information technology tools and techniques to meet the needs and expectations of the workplace.
4. Analyze, integrate and communicate complex information to facilitate management decision making.
5. Apply theory and practice in solving organizational problems.