

# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

## 2017-2018 Degree Requirements

TOTAL CREDITS FOR DEGREE: 120

### 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
	Senior Capstone	3 credits

#### **Choose thematic core courses in the following:**

Explore the World - Choice 1	3 credits
Explore the World - Choice 2	3 credits
Investigate Science	3 credits
Investigate Mathematics	3 credits
Interpret Creative Works	3 credits
Understand People - Choice 1	3 credits
Understand People - Choice 2	3 credits
Succeed in Business	3 credits
Appreciate & Apply the Arts	3 credits
Discover Technology	3 credits

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### MAJOR REQUIREMENTS: 69 credits (C = taken in the Core)

MATH 175	Elementary Statistics	3	<i>Choose 9 credits from the following:</i>		
MATH 180	College Algebra (Investigate Math.)	C	BMGT 380	Cooperative Education I	6
PSYC 150	Psych. Foundations (Understand People)	C	BMGT 480	Cooperative Education II	6
ACCT 101	Introductory Accounting I	3	CMPS 355	Internship in Information Tech I	3
ACCT 102	Introductory Accounting II	3	CMPS 356	Internship in Information Tech II	3
BMGT 101	Introduction to Business	3	CMPS 360	Survey of Programming Languages	3
BMGT 201	Business Law I	3	CMPS 361	Web Application Development	3
BMGT 202	Business Law II	3	CMPS 362	Networking	3
BMGT 205	Principles of Marketing	3	CMPS 363	Digital Security	3
BMGT 208	Principles of Management	3	CMPS 364	NoSQL Databases	3
BMGT 221	Bus. Comm. and Research	3	CMPS 460	Mobile Application Development	3
BMGT 300	Corporate Finance	3	CMPS 461	Big Data Applications	3
BMGT 310	Management Science	3	CMPS 462	Data Mining	3
BMGT 417	Strategic Planning	3	CMPS 463	Entrepreneurship for Software Dev	3
CMPS 160	Databases	3	CMPS 464	Software Develop for E-Commerce	3
CMPS 161	Networking and Security	3		<i>Or Special Topics/Independent Study Courses</i>	1-6
CMPS 162	Introduction to Programming	3			
CMPS 163	Business Analytics	3			
CMPS 260	Data Structures	3			
CMPS 261	Server Management	3			
CMPS 262	Advanced Programming	3			
CMPS 480†	Senior Project	3			

† If CMPS 480 is used as Senior Capstone in University Core, substitute with Elective.

### GENERAL ELECTIVES: 9 credits

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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.