

General Education courses		
COM 101	Communication 1	3
COM 102	Communication 2	3
COM 200	Communication 3	3
COM300	Communication 4	3
ECO 100	Microeconomics	3
ENC 101	English Composition 1	3
ENC 102	English Composition 2	3
ENC 201	Research and Writing 1	3
ENC 202	Research and Writing 2	3
ENC 350	Writing Internship Reports	3
LDR 200	Leadership and Innovation	3
MAN 410	Organizational Behavior	3
MAT 100	College Mathematics	3
PSY 100	Psychology 1	3
STA 102	Statistics 1	3
CORE COURSES		
ADM 200	Advanced databases management	3
AI 300	Artificial Intelligence	3
ALG 100	Algorithms and programming	3
ALG 200	Advanced algorithms and data structures	3
BDA 300	Big data analytics	3
CC 300	Cloud Computing	3
CPC 200	Compiler and Complexity	3
CSA 100	Computer architecture	3
CSI 200	Cryptography and IS Security	3
CSN 100	Computer networks	3
FPJ 200	Frameworks programming: Java & Java JEE	3
IOT 300	Internet of Things	3
ISD 100	Information systems and databases	3
ISM 300	Information System Management	3
MAD 300	Mobile application development	3
OOP 200	Object Oriented Programming (C#)	3

OSP 100	Operating systems and systems programming	3
OOP 300	Object Oriented Programming (UML)	3
PSP 100	Python Programming (supervised project)	3
SDM 200	Software Development methodologies	3
SEN 200	Software engineering	3
WED 100	Web development	3
Concentration 1: Big Data Technologies		
BDD 400	Big Data and databases NoSQL	3
BI 400	Business Intelligence	3
DTM 400	Data Mining and Text Mining	3
ML 400	Machine learning	3
Concentration 2: Web and Mobile App Technology		
ADM 400	Advanced Mobile application development	3
AMS 400	Architecture micro-services	3
AWP 400	Advanced web programming	3
WAD 400	Web Architecture and Distributed Systems	3
Concentration 3: Cyber Security		
BC 400	Block chains	3
NS 400	Computer network security	3
ISA 400	Information systems auditing	3
DSV 400	Data center & Servers virtualization	3