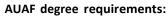
BACHELOR OF SCIENCE (minimum of 120 credits) Information Technology



- 1) 60 credits of General Education courses including UNV 100 University Success
- 2) 48 core credits in information technology
- 3) 3 IT elective credits / 9 credits from one concentration (Degree awarded is 'BS in Information Technology')

Student Name:	ID:	Email:
Student Name.	ID.	Lillall.

General Ed Requirements (60)	units
Composition (9) Students must take a writing course each	
semester until the composition requirement is completed A 'C' grade or higher is required for ENG 110, 115, & 215	
ENG 110 Academic Writing I (3)	
ENG 115 Academic Writing II (3)	
ENG 215 Expository Essay (3)	
A 'C-' grade or lower must be retaken	
Afghanistan Studies (3) HIS 120 History of Afghanistan (3)	
Social Science & Humanities (12) (Such as all literature courses designated with ENG and all PHL, HUM, HIS, ANT, SOC, POL, PAD, GEO, LGS 110, ENG 120, etc)	
ENG 120 (3)	
GEO (3)	
— LGS 110 (3)	
— HUM (3)	
Business (3)	
MGT 100 Introduction to Business (3)	
Moth (C)	
Math (6) Students must take a math course each semester until the	
math requirement is completed	
MTH 110 Intro to College Algebra (3)	
STA 210 Statistics I (3)	
Sciences (8)	
PHY 120/121 Introduction to Physics & Lab	
BIO 130/131, CHE 125/126, BIO 115, PHY 115, or	
any science lab course	
Information Technology (3)	
ITC 109 Intro to Computer Programming (3)	
University Success (1)	
UNV 100 University Success (1)	
General Education Electives (15)	
Students can use the general education electives to meet the requirements for a minor . A minimum of 120 semester hours are required to graduate. Enough Elective hours must be taken to meet this requirement. Choose any 100-level or higher course that is not used for another requirement. ENG 101 does	
not meet any degree requirements. MKT 330 (3)	
(2)	
——————————————————————————————————————	
(3)	
(3	
General Education Subtotal	59-60
Students must complete Math, Sciences and English comp general education requirements before taking 300/400 level coursework.	33 00

ID:	Email:			
	Information Technology (60)	Units		
Co	omplete all the Core (48)			
	MTH 120 Discrete Math(3)			
_	ITC 110 Intro to Information Technology (3)			
_	ITC 135 Ethics and Professional Conduct (3)			
_	ITC 215 Introduction to Programming (3)			
	ITC 220 Fundamentals of Network and Telecommunication (3)			
_	ITC 230 Database Concepts (3)			
_	ITC 210 System Integration and Hardware Architecture (3)			
_	ITC 225 Programming II (3)			
_	ITC 240 Systems Analysis and Design (3)			
_	ITC 345 Introduction to Python (3)			
_	ITC 310 Data Structures (3) ITC 330 System Administration and Maintenance (3)			
-	ITC 335 Mobile Application Development (3)			
_	ITC 340 Human-Computer Interaction (3)			
_	ITC 410 Web Design and Development (3)			
_	ITC 420 Information Technology Management (3)			
Co	omplete one of the Elective Courses Or A	nv		
Other IT Courses (3)				
Oi				
_	ITC 360 Data Mining (3)			
_	ITC 350 Open Source Software (3)			
_	ITC 495 Internship (3)			
_	ITC 490 Special Topics/Thesis(3)			
Co	ITC 415 Cloud Computing (3)	or o of		
	omplete Concentration Courses (9) from	one or		
the	e following areas:			
	Software Engineering (9 credits)			
	ITC 315 Software Engineering (3)			
	ITC 435 Software Testing and Quality Assurance (3)			
	ITC 440 Real Time and Embedded Development(3)			
	Data Science (9 credits)			
	ITC 250 Introduction to Data Science (3) ITC 255 Statistical Data Analysis (3)			
	ITC 300 Data Visualization (3)			
	Cubou Sacuritu (O avadita)			
	Cyber Security (9 credits) ITC 245 Introduction to Information Security (3)			
	ITC 370 Introduction to Cryptography and Data Security (3)			
	ITC 470 Penetration Testing (3)			
	Artificial Intelligence (9 credits)			
—	ITC 260 Image Processing and Analysis (3)			
—	ITC 365 Introduction to Machine Learning (3) ITC 430 Artificial Intelligence (3)			
Mi	nor in Data Science for Non-IT Majors	(15)		
	e Data Science Minor is for students in majors other than BS	(13)		
	ormation Technology who complete 15 credits in ITC courses. The			
	e courses are:			
	ITC 119 R Programming (3)			
	ITC 250 Introduction to Data Science (3)			
	ITC 255 Statistical Data Analysis (3)			
	ITC 300 Data Visualization (3)			
	ITC 360 Data Mining (3)			

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 $\underline{\checkmark}$ = course completed (indicate semester, ex: FA19)