BACHELOR OF SCIENCE (minimum of 120 credits)
Information Technology

AUAF degree requirements:

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: _____

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)	
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) ___ PHL 230 _____ (3) ___ MGT 100 _____ (3) ___ _____ (3) ___ _____ (3	
General Education Subtotal Students must complete Math, Sciences and English comp general education requirements before taking 300/400 level coursework.	59-60

Information Technology (60)	Units
Complete 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)	
Complete one of the Elective Courses Or Any Other IT Courses (3)	
___ ITC 360 Data Mining (3) ___ ITC 350 Open Source Software (3) ___ ITC 495 Internship (3) ___ ITC 490 Special Topics/Thesis(3) ___ ITC 415 Cloud Computing (3)	
Complete Concentration Courses (9) from one of the 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)	
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)	
Minor in Data Science for Non-IT Majors (15)	
The Data Science Minor is for students in majors other than BS Information Technology who complete 15 credits in ITC courses. The five 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)	

✓ = course completed (indicate semester, ex: FA19)