

BACHELOR OF SCIENCE (minimum of 120 credits)

Information Technology



AUAF degree requirements:

- 1) 56 credits of General Education courses including UNV 100 University Success
- 2) 45 credits in information technology
- 3) 6 IT elective credits / 9 credits from one concentration (Degree awarded is 'BS in Information Technology')

Student Name: _____ ID: _____ Email: _____

General Ed Requirements (59-60)	units
<p>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</p> <p>_____ ENG 110 Academic Writing I (3) _____ ENG 115 Academic Writing II (3) _____ ENG 215 Expository Essay (3)</p> <p>A 'C-' grade or lower must be retaken</p>	
<p>Afghanistan Studies (3)</p> <p>_____ HIS 120 History of Afghanistan (3)</p>	
<p>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)</p> <p>_____ (3) _____ (3) _____ (3) _____ (3)</p>	
<p>Math (6) Students must take a math course each semester until the math requirement is completed</p> <p>_____ MTH 110 Intro to College Algebra (3) _____ STA 210 Statistics I (3)</p>	
<p>Sciences (7-8)</p> <p>_____ PHY 120/121 Introduction to Physics & Lab _____ BIO 130/131, CHE 125/126, BIO 115, PHY 115, or any science lab course</p>	
<p>Information Technology (3)</p> <p>_____ ITC 109 Intro to Computer Programming (3)</p>	
<p>University Success (1)</p> <p>_____ UNV 100 University Success (1)</p>	
<p>General Education Electives (18) 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.</p> <p>_____ (3) _____ (3) _____ (3) _____ (3) _____ (3) _____ (3)</p>	
<p>General Education Subtotal Students must complete Math, Sciences and English comp general education requirements before taking 300/400 level coursework.</p>	59-60

Information Technology Core (51)	units
<p>_____ MTH 120 Discrete Math (3) _____ ITC 110 Intro to Information Technology (3) _____ ITC 115 Graphics and Web Design (3) _____ ITC 210 System Integration & Architecture (3) _____ ITC 215 Introduction to Programming (3) _____ ITC 220 Fundamentals of Network & Tel (3) _____ ITC 225 Programming II (3) _____ ITC 230 Database Concepts (3) _____ ITC 240 Systems Analysis & Design (3) _____ ITC 310 Data Structures (3) _____ ITC 330 System Administration & Maint (3) _____ ITC 340 Human-Computer Interaction (3) _____ ITC 350 Open Source Software (3) _____ ITC 410 Web Development (3) _____ ITC 420 Information Technology Mgmt (3)</p>	
<p>Complete two of the courses (6) Electives:</p> <p>_____ ITC 345 Introduction to Python (3) _____ ITC 360 Data Mining (3) _____ ITC 415 Cloud Computing (3) _____ ITC 430 Artificial Intelligence (3) _____ ITC 495 Internship (3)</p>	
<p>Concentration Courses (9) from EITHER Software Engineering OR Data Science</p> <p>Software Engineering (9 credits)</p> <p>_____ ITC 315 Software Engineering (3) _____ ITC 335 Mobile Application Development (3) _____ ITC 435 Software Testing & Quality Assur (3)</p> <p>Data Science (9 credits)</p> <p>_____ ITC 250 Introduction to Data Science (3) _____ ITC 255 Statistical Data Analysis (3) _____ ITC 300 Data Visualization (3)</p>	
<p>Minor in Data Science for Non-IT Majors (15)</p> <p>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:</p> <p>_____ ITC 109 Intro to Computer 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)</p>	

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