

BACHELOR OF SCIENCE (minimum of 121 credits)

Information Technology and Computer Science



AUAF degree requirements:

- 1) 60 credits of General Education courses
- 2) 45 credits of core coursework in Information Technology and Computer Science
- 3) 10 credits of approved Mathematics and Physics coursework
- 4) 6 Credits of approved electives by advisor / ENG 101 & MTH 101 do not count toward degree credits

Student Name: _____ ID: _____ Email: _____

General Ed Requirements (60)	units remaining	ITCS Core Courses (33)	units remaining
<p><u>Composition (9)</u></p> <p>___ ENG 110 Academic Writing I (3)</p> <p>___ ENG 115 Academic Writing II (3)</p> <p>(A 'C' grade or higher is required for ENG 110 & ENG 115)</p> <p>___ ENG 150/200/215/220/271 (3)</p>		<p>___ ITC 110 Introduction to Information Tech (3)</p> <p>___ ITC 115 Web Systems and Design (3)</p> <p>___ ITC 210/L Comp Systems Hardware & Org (4)</p> <p>___ ITC 215/L Programming I (4)</p> <p>___ ITC 220/L Fundamentals of Net & Tele (4)</p> <p>___ ITC 225/L Programming II (4)</p> <p>___ ITC 230/L Database Concepts (4)</p> <p>___ ITC 310/L Data Structures (4)</p> <p>___ ITC 420 Information Technology Mgmt (3)</p>	
<p><u>Afghanistan Studies (3)</u></p> <p>___ HIS 120 History of Afghanistan (3) OR</p> <p>___ LGS 110 Intro to Laws of Afghanistan</p>		<p style="background-color: #e0e0e0;">ITCS Math & Physics (10)</p> <p>___ STA 210 Statistics I (3)</p> <p>___ MTH 145 Calculus II (3)</p> <p>___ PHY 135/136 Introductory Physics II + Lab (4)</p>	units remaining
<p><u>Humanities (6)</u></p> <p>(Literature, Western/World Civ., History, Art)</p> <p>Choose from: ENG 130/150/210/211/230/240, HIS 101/105/203/205/210/211/230/330, all HUM & PHL</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p>		<p style="background-color: #e0e0e0;">ITCS Elective Requirements (12)</p> <p>Choose a minimum of 12 credit hours from the following:</p> <p>___ ITC 320 Adv Net & Telecomm (3)</p> <p>___ ITC 325 Computer Network Security (3)</p> <p>___ ITC 330 Advanced Database Concepts (3)</p> <p>___ ITC 340 Human-Computer Interaction (3)</p> <p>___ ITC 350 Open-Source Software (3)</p> <p>___ ITC 400 GUI Programming (3)</p> <p>___ ITC 410 Web Systems and eBusiness (3)</p> <p>___ ITC 430 Artificial Intelligence (3)</p> <p>___ ITC 485 Special/Current Topics in ITCS (3-6)</p> <p>___ ITC 495 Internship¹ (3-6)</p> <p>___ ITC 490 Thesis² (3)</p> <p>___ Any ITC 300/400 courses not listed above (Ex: Python, Mobile App Dev, etc (3-12))</p>	units remaining
<p><u>Mathematics (6)</u></p> <p>___ MTH 110 College Algebra (3)</p> <p>___ MTH 130 Calculus I (3)</p>		<p style="background-color: #e0e0e0;">Approved ITCS Electives (6)</p> <p>Six to eight credit hours of approved electives are required to complete the degree. Please see your advisor for approved electives. Approved ITCS electives cannot be used for another degree requirement.</p> <p>___ _____ (min 3 credits)</p> <p>___ _____ (min 3 credits)</p>	units remaining
<p><u>Physical Sciences with Labs (8)</u></p> <p>___ PHY 120/121 Intro to Physics I (4)</p> <p>Choose 1 course with a lab from:</p> <p>___ BIO 130/131 Intro to Biology (4)</p> <p>or CHE 125/125 General Chemistry (4)</p> <p>or CHE 127/128 General Chemistry II (4)</p>		<p>✓ = course completed (indicate semester, ex: FA11)</p> <p>* = requirement met due to transfer coursework</p>	
<p><u>Information Technology (3)</u></p> <p>___ ITC 101 Introduction to Computers (3)</p> <p>or ITC 110 Intro to Information Tech (3)</p>		<p>Students must complete Math, Science and Composition general education coursework before taking 300 and 400 level courses.</p> <p>¹ The ITCS Internship (ITC 495) requires prior approval by your advisor. Students currently in the IT field may choose to utilize this course.</p> <p>² The ITCS Thesis (ITC 490) requires prior approval by your advisor.</p>	
<p><u>Social and Behavioral Sciences (6)</u></p> <p>(Anthropology ANT, Geography GEO, Legal Studies LGS, Political Science POL, Public Administration PAD, Sociology SOC)</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p>			
<p><u>University Success (1)</u></p> <p>___ UNV 100 University Success (1)</p>			
<p style="background-color: #e0e0e0;">General Education Electives (18)</p> <p>A minimum of 121 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. Must meet all prerequisites. MTH 101 and ENG 101 do not work toward any requirements.</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p> <p>___ _____ (3)</p>	units remaining		