

BACHELOR OF SCIENCE

Information Technology and Computer Science (rev 2014)



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

Student Name: _____ ID: _____ Email: _____

General Ed Requirements (60)	units remaining
<u>Composition (9)</u> ____ ENG 110 Academic Writing I (3) ____ ENG 115 Academic Writing II (3) (A 'C' grade or higher is required for ENG 110 & ENG 115) ____ ENG 150/200/215/220/271 (3)	
<u>Afghanistan Studies (3)</u> ____ HIS 120 History of Afghanistan (3) OR ____ LGS 110 Intro to Laws of Afghanistan	
<u>Humanities (6)</u> (Literature, Western/World Civ., History, Art Choose from: ENG 130/150/210/211/230/240, HIS 101/105/203/205/210/211/230/330, all HUM & PHL)	
<u>Mathematics (6)</u> ____ MTH 110 College Algebra (3) ____ MTH 130 Calculus I (3)	
<u>Physical Sciences with Labs (8)</u> ____ PHY 120/121 Intro to Physics I (4) Choose 1 course with a lab from: ____ BIO 130/131 Intro to Biology (4) or CHE 125/125 General Chemistry (4) or CHE 127/128 General Chemistry II (4)	
<u>Information Technology (3)</u> ____ ITC 101 Introduction to Computers (3) or ITC 110 Intro to Information Tech (3)	
<u>Social and Behavioral Sciences (6)</u> (Anthropology ANT, Geography GEO, Legal Studies LGS, Political Science POL, Public Administration PAD, Sociology SOC) ____ _____ (3) ____ _____ (3)	
<u>University Success (1)</u> ____ UNV 100 University Success (1)	
<u>General Education Electives (18)</u>	units remaining
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. ____ _____ (3) ____ _____ (3) ____ _____ (3) ____ _____ (3) ____ _____ (3) ____ _____ (3)	

ITCS Core Courses (33)	units remaining
____ MTH 120 Discrete Mathematics for IT (3) ____ ITC 110 Intro to Information Tech (3) ____ ITC 115 Web Systems and Design (3) ____ ITC 210 Comp Systems Hardware & Org (3) ____ ITC 215 Programming I (3) ____ ITC 220 Fundamentals of Net & Tele (3) ____ ITC 225 Programming II (3) ____ ITC 240 Systems Analysis and Design (3) ____ ITC 230 Database Concepts (3) ____ ITC 310 Data Structures (3) ____ ITC 420 Information Technology Mgmt (3)	
<u>ITCS Math & Physics (10)</u>	units remaining
____ STA 210 Statistics I (3) ____ MTH 145 Calculus II (3) ____ PHY 135/136 Introductory Physics II + Lab (4)	
<u>ITCS Elective Requirements (12)</u>	units remaining
Choose at least 4 courses, 12 credit hours minimum, from the following: ____ ITC 320 Adv Net & Telecomm (4) ____ ITC 325/L Computer Network Security (4) ____ ITC 330 Advanced Database Concepts (3) ____ ITC 340 Human-Computer Interaction (3) ____ ITC 350 Open-Source Software (3) ____ ITC 400 GUI Programming (3) ____ ITC 410 Web Systems and eBusiness (3) ____ ITC 430 Artificial Intelligence (3) ____ ITC 485 Special/Current Topics in ITCS (3) ____ ITC 495 Internship ¹ (3) ____ ITC 490 Thesis ² (3)	
<u>Approved ITCS Electives (6)</u>	units remaining
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. ____ _____ (min 3 credits) ____ _____ (min 3 credits)	
✓ = course completed (indicate semester, ex: FA11) * = requirement met due to transfer coursework	

¹ The ITCS Internship (ITC 495) requires prior approval by your advisor. Students currently in the IT field may utilize this course.

² The ITCS Thesis (ITC 490) requires prior approval by your advisor.