

**BACHELOR OF SCIENCE (minimum of 121 credits)**  
**Information Technology**

**AUAF degree requirements (for students Fall 2018 and on):**

- 1) 60 credits of General Education courses.
- 2) 45 credits in Information technology
- 3) 6 IT Selective credits.
- 4) 9 credits from one concentration area

**Student Name:** \_\_\_\_\_

**ID:** \_\_\_\_\_

**Email:** \_\_\_\_\_

GENERAL EDUCATION (60)		
<b>University Success (1)</b>		
	UNV 100 University Success	1
<b>Composition (9) – complete before 60 credits</b>		
	ENG 110 Academic Writing I	3
	ENG 115 Academic Writing II - (A 'C' grade or higher is required for ENG 110 & ENG 115)	3
	ENG 150/200/215/220/271	3
<b>Mathematics (6)</b>		
	MTH 110 College Algebra	3
	STA 210 Statistics I	3
<b>Information Technology (3 or 4)</b>		
	ITC 099 Introduction to computer Or ITC100 Introduction to computer	0 1
	ITC 109 Introduction to Computer Programming	3
<b>Afghanistan Studies (3) – choose one</b>		
	HIS 120 History of Afghanistan or	3
	LGS 110 Intro to Laws of Afghanistan	3
<b>Physical Sciences with Labs (8)</b>		
BIO 130/131, BIO 132/133, CHE 125/125, CHE 127/128, PHY 120/121, PHY 135/136, PHY 235/236		
	PHY 120/121 Intro to Physics I	4
	<b>Choose 1 course with a lab from:</b>	4
	PHY 135/136 Physics II (4)	
	BIO 130/131 Intro to Biology (4)	
	CHE 125/125 General Chemistry (4)	
	CHE 127/128 General Chemistry II (4)	
<b>Humanities (6)* (HUM, Languages, etc)</b>		
		3
		3
<b>Social and Behavioral Sciences (6)</b>		
ANT, GEO, HIS, LGS, POL, PAD, GEN, SOC		
		3
		3
<b>General Education Electives (18)</b>		
Choose any course not used for another requirement.		
	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.	3
		3
		3
		3
		3
		3

**Information Technology (60 credits)**

**Information Technology Core Courses (45)**

1	MTH 120 Discrete Math for IT	3
2	ITC 110 Intro to Information Tech	3
3	ITC 115 Web Systems and Design	3
4	ITC 210 System integration & Architecture	3
5	ITC 215 Introduction to programming	3
6	ITC 220 Fundamentals of Net & Tel	3
7	ITC 225 Programming II	3
8	ITC 230 Database Concepts	3
9	ITC 240 Systems Analysis and Design	3
10	ITC 310 Data Structures	3
11	ITC 330 System administration & maintenance	3
12	ITC 340 Human-Computer Interaction	3
13	ITC 350 Open Source Software	3
14	ITC 410 Web Systems and e-Business	3
15	ITC 420 Information Tech Management	3

**IT Selective (6)**

Six approved credit hours of electives are required to complete the degree.

1	ITC 345 Introduction to Python	3
2	ITC 415 Cloud Computing	3
3	ITC 430 Artificial Intelligence	3
4	ITC 495 Internships	3

**Concentration Courses**

**Software Engineering (9)**

	ITC 315 Software Engineering	3
	ITC 335 Mobile application development	3
	ITC 435 Software Testing & Quality Assurance	3

**Information Technology and Data Analytics (9)**

	ITC 250 Intermediate Data analysis and visualization	3
	ITC 360 Big Data Management Syst & Visualization	3
	ITC 255 Data Warehouses and Business Intelligence	3

**Minor In Information Technology and Data Analytics**

The Information Technology and Data Analytics minor is granted to students from other majors who complete the below 15 credits of Information Technology:

	ITC 110 Intro to Information Tech	3
	ITC 250 Intermediate Data analysis and visualization	3
	ITC 360 Big Data Management Syst & Visualization	3
	ITC 255 Data Warehouses and Business Intelligence	3
	ITC 420 Information Tech Management	3