

Information Technology (9261)

Associate of Applied Science Degree

Course	Title	Credit Hours
CORE COURSES		
General Education Courses (24 Credits):		
BUSM 1300	Introduction to Business	3
BUSM 2400	Business Communication	3
ENGL 1110	English Composition I (A) ¹	3
or ENGL 1111	English Composition I (B)	
Select any Mathematics course from MATH 1650 or higher ²		4
Choose course(s) from the Natural Sciences Electives list.		5
Choose course(s) from the Arts and Humanities Electives list.		3
Choose course(s) from the Social & Behavioral Sciences Electives list.		3
ITCS Core Courses (16 Credits):		
ITCS 1870	Python Programming I 	3
ITDB 1401	SQL Programming and Database Design 	3
ITIS 1355	Security+ and Security Essentials 	3
ITON 1205	Network+ and Networking Essentials 	2
ITIS 2015	Information Technology Project Management 	3
ITIS 2890	Information Technology and Computer Science Capstone 	2
Related Courses (7 Credits):		
FYEX 1000	First Year Experience	1
ITCS 1010	Programming Logic	3
ITIS 1007	Principles of Information Technology and Computer Science	3
TECHNICAL CONCENTRATION COURSES:		
Select a concentration and complete 15 credits in in that specific concentration.		15
Application Programming and Web Development Concentration		
ITCS 1105	Web Programming I 	
ITCS 1820	Java Programming I 	
ITCS 2120	JavaScript Programming I 	
ITCS 2873	Python Programming II 	
ITIS 1102	Internet: Services, Tools, and Web Page Design 	
Cybersecurity Concentration		
ITIS 1360	Cyber/Computer Forensics and Counterterrorism 	
ITIS 2355	Security Investigation and Penetration Studies 	
ITON 1310	Cloud Computing 	
ITON 1748	Linux Administration I 	
ITON 2090	Fundamentals of Client Operating Systems 	
Data Analytics Concentration		
ITDB 1435	Introductory Data Analytics 	
ITDB 1450	Applied Business Intelligence and Data Visualization 	
ITDB 2435	Advanced Data Analytics 	
ITIS 1520	Microsoft Office Excel: Skills and Techniques 	
ITON 1748	Linux Administration I 	
IT Support Analyst Concentration		
ITIS 1050	Managing Computers: Hardware 	
ITIS 1051	Managing Computers: Software 	

ITON 1310	Cloud Computing 
ITON 1748	Linux Administration I 
ITON 2090	Fundamentals of Client Operating Systems 
Operating Systems/Networking Concentration	
ITIS 1050	Managing Computers: Hardware 
ITON 1310	Cloud Computing 
ITON 1748	Linux Administration I 
ITON 1758	Linux Administration II 
ITON 2090	Fundamentals of Client Operating Systems 
Geospatial Technology Concentration ³	
GEOG 1400	Mapping Technologies 
GEOG 1700	Map Design and Interpretation 
GEOG 1740	Uncrewed Aircraft Systems (UAS) 
GEOG 2700	Geographic Information Science 
GEOG 2740	sUAS Flight and Planning 

Total Credit Hours**62**

- ¹ English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).
- ² Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.
- ³ Students taking the Geospatial Technology concentration should choose GEOG 1550 Physical and Environmental Geography as one of their Natural Science requirement courses, and GEOG 1500 Introduction to Geography as their Social Science requirement.
-  This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.