

INFORMATION TECHNOLOGY

Bachelor of Applied Science

The B.A.S. Information Technology degree prepares students to gain long-term career positions in the fields of information technology or technology management. Students have the opportunities to gain knowledge of advanced concepts of technology in the areas of computer networking, Linux operating systems, computer programming, network security, database administration, web development, and hardware maintenance, as well as the managerial experience to oversee projects in each area. Courses within the B.A.S. degree also prepare students to gain advanced certifications in managerial and technological subjects, giving students improved opportunities to gain beneficial employment assignments or land promotions within their current professions.

Program Course Requirements

Click here to view Core IMPACTS General Education Curriculum requirements (<http://catalog.daltonstate.edu/programs/coreimpacts/>).

Program Advice (can share with CORE curriculum):

ECON 2105	Principles of Macroeconomics (Recommended for Social Science elective; should be taken if student plans to take MNGT course in the Major Electives.)	3
MATH 1111	College Algebra (Required)	3
MATH 1401	Elementary Statistics (Required)	3

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Core IMPACTS General Education Curriculum requirements 42

NOTE: Core IMPACTS courses can also satisfy requirements in your Program of Study. Please review the requirements for your major to prevent taking extra courses. The USG Core IMPACTS curriculum is designed to ensure that students acquire essential knowledge in foundational academic areas and develop career-ready competencies. There are seven Core IMPACTS areas. Students at all USG institutions must meet the Core IMPACTS requirements in all specified areas.

Field of Study: Major Related

Associate of Applied Science or Applied Technology Credits

Technology/Academic Electives (must be approved by department chair) * 21

Required Courses (Grade of C or higher required)

BUSA 2201	Fundamentals of Computer Appli	3
CAPS 1140	Microcomputer Operating System	3
CAPS 1145	Introduction to Networks	3
CAPS 1152	Linux	3
CAPS 1270	Switch, Route, Wireless Ess	3
CAPS 1276	Ent Net, Security, Automation	3

Information Technology Core

ITEC 3251	Linux II	3
ITEC 3390	Management of IS Security	3
MGIS 3351	Principles Mgmt Info Systems	3
MGIS 3352	Management Application Prog I	3

MGIS 3353	Management Applications Programming II	3
MGIS 3356	Database Management Systems	3
MGIS 4360	Databases: Big Data & Analyt	3
MGIS 4701	Systems Analysis & Design	3

Major Electives

Choose 5 of the following courses. 15

COMM 3301	Communication for Prof Setting
DATA 3355	Data Mining
DATA 3502	Data Architecture
DATA 3505	Data Management
DATA 3508	Data-Driven Decision Making
ITEC 3276	Advanced Enterprise Routing
ITEC 3400	IoT: Security
ITEC 3500	Cybersecurity Operations
ITEC 3510	Ethical Hacking
ITEC 4700	Python Programming
ITEC 4800	Special Topics in ITEC
ITEC 4900	Internships in ITEC
ITEC 4960	Research in ITEC
MGIS 4700	Independent Study MGIS
MNGT 3051	Principles of Management

Total Hours 120