

*Students May Enroll To Take This Program Online Or Residentially*

The objective of the Associate of Applied Science in Information Technology program is to provide students with the breadth of skills and knowledge to be prepared to administer information technology solutions in a business environment. Graduates prepare to become entry-level information technology professionals with coursework in operating systems, web technologies, database technologies, networking, security, and software development. General education requirements in the areas of communication, social science, natural science and humanities provide analytical and communication skills.

The goal of this program is to prepare graduates who are able to:

1. Install and configure an operating system to meet specific requirements in a networked environment
2. Research, document, and recommend solutions to computing problems
3. Develop a computer program that operates with a database, network, website and/or operating system
4. Create a professional website that operates with a database
5. Analyze a problem and identify and define the computing requirements appropriate to solve that problem
6. Identify, analyze and consider user needs in the development of computer-based systems
7. Demonstrate appropriate written and verbal communication skills
8. Evaluate the quality of multiple viewpoints, arguments, and evidence and distinguish between fact and opinion
9. Exhibit social responsibility and examine the diverse cultures and value systems of our global community

**CORE REQUIREMENTS**

Class #	Class Name	Credits
BS110	Business Communications	4
CS131	MS Office Professional I	3
DB211	Database Design	4
IT135	Computing Fundamentals	4
IT155	Computer Essentials	4
IT205	Operating Systems I	4
IT255	Operating Systems II	4
MG100	Introduction to Business	5
NT242	Data and Networks	4
NT272	Network Administration and Security	4
PD250	Career Development	1
SD114	Introduction to Software Development	4
SD234	Programming I	4
SD254	Programming II	4
WD130	Basic Web Design	3
WD260	Web Technologies	4
<b>Total Core Minimum Credit Requirement</b>		<b>60</b>

**GENERAL EDUCATION REQUIREMENTS**

A student pursuing an associate's degree is required to earn a minimum of 30 credits from the general education courses listed below, demonstrating a solid grounding in the liberal arts. A minimum of three credits must be earned in each of the following disciplines: communications, humanities, natural science and mathematics and social science.

Class#	Class Name	Credits
<b>COMMUNICATIONS</b>		
CM111	Speech Communications	4
CM121	Composition (required)	4
CM200	Intercultural Communications	4
CM210	Creative Writing	4
CM220	Art of Persuasion	4
CM230	Mass Communication	4
CM320	Writing and Research	4
<b>HUMANITIES</b>		
HU100	Introduction to Humanities	4
HU121	Film in Society	4
HU130	Spanish I	4
HU150	Introduction to Literature	4
HU200	Art in the Modern World	4
HU230	Spanish II	4
HU310	The Novel	4
HU315	World Literature	4
<b>NATURAL SCIENCE and MATHEMATICS</b>		
NS105	Biology	4
NS111	Environmental Issues	4
NS112	Topics in Mathematical Reasoning	4
NS116	College Algebra I (required)	4
NS121	Earth Science	4
NS126	Chemistry Today*	4
NS135	Microbiology	4
NS140	Anatomy and Physiology I	4
NS150	Anatomy and Physiology II	4
NS216	College Algebra II	4
NS305	Statistics I	4
NS320	Introduction to Decision Systems(required)	4
NS351	Statistics II	4
<b>SOCIAL SCIENCE</b>		
SS103	Global Citizenship (required)	2
SS116	Introduction to Psychology	4
SS130	Law in Society	4
SS140	Interpersonal Relations (required)	4
SS145	Introduction to Macroeconomics	4
SS200	Introduction to Microeconomics	4
SS205	Sociology	4
SS210	Developmental Psychology	4
SS230	Psychology of Personality	4
SS311	Human Behavior	4
SS331	International Economics	4
SS360	Abnormal Psychology	4
<b>Total General Education Minimum Credit Requirement</b>		<b>30</b>
<b>Total Program Minimum Credit Requirement</b>		<b>90</b>

**Notes:**

Students may be required to complete Foundations of Mathematics I and/or II and Foundations of Writing I and/or II based upon competency exam scores.

\* Offered only at the Richfield, MN campus.