

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM INFORMATION TECHNOLOGY

STUDENTS MAY ENROLL TO TAKE THIS PROGRAM ONLINE OR RESIDENTIALLY

91 CREDIT HOURS DEGREE

OBJECTIVES

The objective of this program is to give students a fundamental understanding of the core disciplines in information technology including software development, database design, networking and information security. This program also provides evidence of competency in communications, social sciences, humanities and the fine arts. This degree will prepare students for career opportunities in network support or software development.

CORE REQUIREMENTS

Class #	Class Name	Credits
CS131	Microsoft Office I	3
DB100	Intro to Database	4
MM130	Basic Web Design	3
NT105	Fundamentals of Computer Technology	4
NT125	Network Communications	4
NT225	Windows Client Operating System	4
PD100	Student Success	1
PD250	Career Development	1
SD100	Information Systems	4
SD110	Computer Programming Logic	4
Total		32

INFORMATION TECHNOLOGY ELECTIVES

(a minimum of 29 credits from the list below or approved by the dean of students and program director/coordinator)

Class #	Class Name	Credits
Networking		
NT116	A+ Essentials	4
NT211	Network+	4
NT216	Principles of Linux	4
NT230	Maintenance & Repair	4
NT240	Professional Help Desk Support	4
NT248	Windows Server Operating System	4
NT251	Security+	4
NT253	Wireless Network Administration	4
NT299	Internship	6
NT305	Networking Applications Level III †	6†
NT350	Networking Applications Level IV †	6†
Security		
SC100	Introduction to Business & Security	5
SC300	Physical Network Defense	4
Software Development		
SD160	Principles of Visual Basic	4
SD205	Systems Analysis and Design	4
SD230	C Programming	4
SD251	C++ Programming	4
SD261	Java Programming	4
SD320	Project Management	4
SD310	Solution Architectures	4
SD351	Visual Basic. Net Application Development	4
Total Core Requirements		61

† These electives are offered at the Richfield campus only.

Note: Students may be required to take Foundations of Mathematics I and/or II and Foundations of Writing I and/or II based on competency exam scores.

GENERAL EDUCATION REQUIREMENTS

To attain a degree, students must be well grounded in the liberal arts. Students pursuing an A.A.S. degree are required to earn a minimum of thirty (30) credits from the four liberal arts disciplines listed below. A minimum of three (3) credits must be earned within each discipline.

LIBERAL ARTS REQUIREMENTS

Class #	Class Name	Credits
COMMUNICATIONS		
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 & Research	4
SOCIAL SCIENCE		
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
SS330	Comparative Economic Systems	4
SS360	Abnormal Psychology	4
NATURAL SCIENCE & MATHEMATICS		
NS100	Biology	5
NS110	Environmental Issues	5
NS116	College Algebra I (required)	4
NS120	Earth Science	5
NS125	Chemistry Today *	5
NS135	Microbiology	4
NS140	Anatomy & Physiology I	4
NS150	Anatomy & Physiology II	4
NS216	College Algebra II (required)	4
NS301	Statistics I	5
NS350	Statistics II	5
HUMANITIES		
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
Total Liberal Arts Minimum Requirement		30
Total Credit Requirement		91

* Offered only at Richfield Campus