INFORMATION SYSTEMS TECHNOLOGY, A.A.S.

Location(s): AL, AN, LO, MA, NOL, WO
NOVA Code: 2990

Purpose

This curriculum is designed for those who seek employment in the field of information technology, for those who are presently in that field and who wish to increase their knowledge and update their skills, and for those who must augment their abilities in other fields with knowledge and skills in information technology.

Credit for Prior Learning

Students in this program may be eligible for credit for prior learning. See an academic advisor or counselor for further information.

Transfer Information

Transfer is not the primary purpose of an A.A.S. program, but NOVA has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their academic advisor early in their program.

Recommended Preparation

The student should possess a proficiency in high school English, high school algebra and geometry, and computer keyboarding skills.

Two Years

Course	Title	Credits
1st Semester		
ENG 111	College Composition I	3
ITD 110	Web Page Design I	3
ITE 152	Introduction to Digital and Information Literacy and Computer Applications	3
ITN 100 or ITN 101	Intro to Telecommunications [1] or Introduction to Network Concepts	3
Select one of the following:		3
MTH 154	Quantitative Reasoning	
MTH 155	Statistical Reasoning (or Higher)	
SDV 101 or SDV 100	Orientation to: (Information Technology) or College Success Skills	1
	Credits	**16**
2nd Semester		
ITE 170	Multimedia Software	3
ITN 170	LINUX System Administration	3
ITN 260	Network Security Basics	3
ITP 100	Software Design	3
IT Elective [2]		6
	Credits	**18**
3rd Semester		
ITD 256	Advanced Database Management	3
ITN 107 or ITE 221	Pers. Computer Hardware & Troubleshooting [3] or PC Hardware & O/S Architecture	3
IT Elective [2]		6
Select one of the following ITP Programming Electives:		4
ITP 120	JAVA Programming I	
ITP 132	C++ Programming I	
ITP 150	Python Programming	
ITP 160	Introduction to Game Design and Development	
ITP 225	Web Scripting Languages	
	Credits	**16**
4th Semester		
Select one of the following CST Electives:		3
CST 100	Principles of Public Speaking	
CST 110	Introduction to Human Communication	
CST 126	Interpersonal Communication	
CST 229	Intercultural Communication	
Approved Elective [2]		3
Humanities/Fine Arts Elective (https://catalog.nvcc.edu/general-education-electives/#ge_hum_fa_elect)		3
Social/Behavioral Sciences Elective (https://catalog.nvcc.edu/general-education-electives/#ge_soc_beh_sci_elec)		6
	Credits	**15**
	Total Credits	**65**

Information Technology (ITD, ITE, ITN, ITP) courses used for this program may not be more than 10 years old as of the first day of the fall semester of the academic year in which a student graduates, unless approved by the pathway dean.

Electives should be chosen with the advice of an academic advisor to meet the requirements of the intended transfer institution.

[1] Credit will not be awarded for both ITN 100 Intro to Telecommunications or ITN 101 Introduction to Network Concepts.

[2] The total of 15 credit hours of IT Electives and Approved Elective must be met through any combination of IT courses (ITD, ITE, ITN, ITP) that are not already included in the degree and or ENG 112 College Composition II.

[3] Credit will not be awarded for both ITN 107 Pers. Computer Hardware & Troubleshooting and ITE 221 PC Hardware & O/S Architecture.