

INFORMATION SYSTEMS TECHNOLOGY

Associate of Applied Science Degree

AL, AN, LO, MA, WO

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 desire 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.

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 faculty 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.

* Graduation requirements are certified by a faculty advisor at a campus offering this major.

Two Years		Credits
1st Semester		
ENG	111 College Composition I	3
ITE	105 IT Careers & Cyber Ethics	2
ITE	115 Intro to Computer Applications & Concepts	3
ITP	100 Software Design	3
MTH	151 Math for the Liberal Arts I or higher-level math course	3
¹ _____	Social Science Elective	3
SDV	Elective	<u>1</u>
	Total	18
2nd Semester		
² _____	Humanities/Fine Arts Elective	3
ITD	256 Advanced Database Management	3
ITE	221 PC Hardware and OS Architecture	3
ITN	100 Intro. to Telecommunications	3
ITN	171 Unix I	3
¹ _____	Social Science Elective	<u>3</u>
	Total	18
3rd Semester		
³ _____	IT Electives	9
ITP	170 Project Management	3
⁴ SPD	Elective	<u>3</u>
	Total	15
4th Semester		
³ _____	IT Electives	12-16
⁵ PED	116 Lifetime Fitness & Wellness	1
⁵ PED/RPK	Elective	<u>1</u>
	Total	14-18

Total Credits for the A.A.S. Degree in Information Systems Technology = 65-69

IT courses used for this program may not be more than 10 years old, unless approved by division dean.

¹ The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives.

² Humanities/fine arts elective may be selected from the humanities/fine arts courses listed under General Education Electives.

³ The IT electives in the IST AAS degree must be met by completing **ALL** of the IT courses in **ONE** of the following career studies certificates: Application Programming, Database Specialist, IT Technical Support, Linux Programming and Development, Network Administration, Network Engineering (Specialist), Network Security, Web Design and Development, or Wireless Network Administration. (Excludes: *Linux Administration, Network Engineering (Professional), and Web Design Specialist career studies certificates and Web Design Manager Certificate.*)

⁴ The SPD elective must be selected from the following: SPD 100, 110, 115, 126, 227, and 229.

⁵The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

The IT electives in the IST AAS degree must be met by completing *ALL* of the IT courses in *ONE* of the following career studies certificates:

- Application Programming Career Studies Certificate
- Database Specialist Career Studies Certificate
- IT Technical Support Career Studies Certificate
- Linux Programming and Development Career Studies Certificate
- Network Administration Career Studies Certificate
- Network Engineering (Specialist) Career Studies Certificate
- Network Security Career Studies Certificate
- Web Design and Development Career Studies Certificate
- Wireless Network Administration Career Studies Certificate