

## 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.

Two Years		Credits
<b>1st Semester</b>		
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
<sup>1</sup> ____	Social Science Elective	3
SDV	Elective	<u>1</u>
	<b>Total</b>	<b>18</b>
<b>2nd Semester</b>		
<sup>2</sup> ____	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
<sup>1</sup> ____	Social Science Elective	<u>3</u>
	<b>Total</b>	<b>18</b>
<b>3rd Semester</b>		
<sup>3</sup> CST	Elective	3
<sup>4</sup> ____	IT Electives	9
ITP	170 Project Management	<u>3</u>
	<b>Total</b>	<b>15</b>
<b>4th Semester</b>		
<sup>4</sup> ____	IT Electives	12-16
<sup>5</sup> PED	116 Lifetime Fitness & Wellness	1
<sup>5</sup> PED/RPK	Elective	<u>1</u>
	<b>Total</b>	<b>14-18</b>

**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.**

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

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

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<sup>3</sup> The CST elective must be selected from the following: CST 100, 110, 115, 126, 227, and 229.

<sup>4</sup> 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.*)

<sup>5</sup> The 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.

#### **SECTION A:**

**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