INFORMATION TECHNOLOGY
Associate of Science Degree   **AL, AN, LO, MA, WO, ELI***

Purpose: The Associate of Science degree curriculum in Information Technology is designed for persons who plan to transfer to a four-year college or university to complete a baccalaureate degree program in Information Technology.

Transfer Information: Since four-year colleges can vary in their course and GPA requirements, please consult a counselor or faculty advisor regarding specific requirements and course selection.

Recommended Preparation: Satisfactory completion of the following high school units or equivalent: 4 units of English; 4 units of mathematics (algebra I-II, geometry and precalculus); 1 unit of laboratory science; and 1 unit of social studies.

*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
[1]HIS	Elective	3
ITE	115 Intro. to Computer Applications & Concepts	3
ITN	100 Introduction to Telecommunications	3
MTH	163 Precalculus I or higher-level math course	3
SDV	Elective	1
	Total	**16**

2nd Semester		
[2]ENG	112 College Composition II	3
ITE	170 Multimedia Software	3
ITP	100 Software Design	3
[3]MTH	271 Applied Calculus I	3
[4]PED	116 Lifetime Fitness & Wellness	1
[5]___	Social Science Elective	3
	Total	**16**

3rd Semester		
[6]ITP	120 Java Programming I or	
	ITP 132 C++ Programming I	4
[7]___	Humanities/Fine Arts Elective	3
[4]PED/RPK	Elective	1
[8]___	Natural Science/Lab Elective	4
SPD	110 Introduction to Speech Communication	3
	Total	**15**

4th Semester		
[7]___	Humanities/Fine Arts Elective	3
ITD	256 Advanced Database Management	3
ITE	221 PC Hardware and OS Architecture	3
[8]___	Natural Science/Lab Elective	4
[5]___	Social Science Elective	3
	Total	**16**

Total credits for the A.S. Degree in Information Technology = 63.

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

[1] HIS 101, 102, 121, 122 is recommended.

[2] ENG 125 may be substituted with the advice of a counselor or faculty advisor according to requirements of transfer institutions.

[3] Students starting with a high placement test score may wish to take MTH 173 rather than MTH 271.

[4] 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.

[5] The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives. Students planning to transfer to GMU should take HIS 101, 102, 111, 112, 121, or 122, and either PSY or SOC.

[6] Students planning to transfer to GMU should take ITP 120.

[7] Humanities/fine arts elective MUST be selected from the humanities/fine arts courses listed under General Education Electives. Elective should be selected with advice of a counselor or faculty advisor to meet requirements of transfer institution.

[8] The science elective may be selected from biology, chemistry, physics, geology, or the natural science 100 series courses with a lab component, excluding NAS 161-162, listed under General Education Electives. Some four-year colleges, including GMU, require a two-semester sequence.