

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	<u>1</u>
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	<u>3</u>
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	<u>3</u>
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	<u>3</u>
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 economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54. 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 The humanities/fine arts elective **MUST** be selected from the list on page 54. 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 on pages 54-55. Some four-year colleges, including GMU, require a two-semester sequence.