

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.

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
CST	110 Introduction to 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 Select from HIS 101, 102, 121, or 122. Other HIS courses may be taken after consultation with a faculty advisor.

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

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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.