

# A.S. Computer Technology Management Emphasis

This two-year (61/64) credit emphasis prepares students to further their education in a Computer Technology Management major. Students will learn basic computer technology skills that include installing, configuring and troubleshooting hardware and software, common programming techniques, networking implementation and design, and basic digital design skills. The degree is designed to transfer into the Bachelor of Science—Computer Technology Management program at Dickinson State University. This field of employment is broad and may include jobs such as an Information Technology Business Analyst, Information Technology Specialist, Computer/Network Support Technician, or Technology Project Manager.

Upon completion of this program, graduates will be able to:

- Create business technology strategies using planning processes and knowledge of trends in computer hardware and software.
- Describe computer hardware and software functions and implement networking systems.
- Apply problem-solving techniques used to diagnose, recommend, and communicate solutions to technology problems.
- Develop the team and interaction skills necessary to work with others in the computer technology area of business.
- Apply their computer technology management academic knowledge in the context of professional development.

Program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check [Course Descriptions](#) to determine pre-requisites and should consult their advisor regarding the order in which to take courses. Students should consult the catalog of the institution to which they expect to transfer and should select appropriate core requirement and elective courses in consultation with their advisor: [General Education Core Requirements Courses](#).

NOTE: 3 credits of either Humanities & Fine Arts or History & Social Sciences must meet the Cultural Diversity requirement. One science lab must be a standalone lab.

<b>First Year Fall Semester</b>	
WRIT 101 College Writing I	3 credits
M 121 College Algebra, or Mathematics elective	4 credits
CAPP 131 Basic MS Office	3 credits
COMX 111 Intro to Public Speaking	3 credits
NTS 104 CCNA 1: Intro to Networks	4 credits
<b>Total</b>	<b>17 credits</b>
<b>First Year Spring Semester</b>	
WRIT 201 College Writing II	3 credits
GDSN 145 Introduction to Web Design	3 credits
Science Core Requirement	3 or 4 credits
STAT 216 Introduction to Statistics, or Mathematics elective	3 or 4 credits
ARTZ 106 Visual Language 2D Foundations	3 credits

<b>Total</b>	<b>15 to 17 credits</b>
<b>Second Year Fall Semester</b>	
CSCI 107 Joy and Beauty of Computing	3 credits
Science Core Requirement	3 or 4 credits
History & Social Sciences Core Requirement	3 credits
Humanities & Fine Arts Core Requirement	3 credits
MART 213 Photoshop & Illustrator, or CAPP 156 MS Excel	3 credits
<b>Total</b>	<b>15 or 16 credits</b>
<b>Second Year Spring Semester</b>	
CSCI 127 Joy and Beauty of Data	4 credits
MART 214 Digital Publishing & Design	3 credits
ITS 280 Computer Repair & Maintenance	4 credits
History & Social Sciences Core Requirement	3 credits
<b>Total</b>	<b>14 credits</b>
<b>Program Total</b>	<b>61 to 64 credits</b>