

COMPUTER INFORMATION SYSTEMS

This program prepares students for transfer into baccalaureate programs in Information and Communication Technologies (ICT), Business Information Systems (BIS), and Computer Information Systems (CIS). Students gain practical experience in computing and networking technologies and prepare for careers in IT support, IT management, and/or independent infrastructure consulting.

Learning Outcomes: Upon successful completion of the program, students will be able to:

- Effectively solve common computer hardware, software, security and networking problems that arise in the business application of information technology.
- Design and develop software applications.
- Apply essential networking skills to configure and maintain a reliable network infrastructure.
- Analyze, configure and evaluate complex issues or problems.

Associate in Science Degree (Career Technical)

Associate Degree Major Requirements	Units
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REQUIRED CORE:	13
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| CSIS 1 | Computer Information Systems (3) |
| CSIS 9 | Programming Fundamentals: Python (3) |
| CSIS 75 | Introduction to Programming - Visual Basic (3) |
| CSIS 76A | Networking Fundamentals (4) |

Select two courses from the following:	6
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| BUSI 70 | Business Communication (3) |
| CSIS 51C | Database Processing (3) |
| CSIS 72A | Managing and Maintaining Windows Server (3) |
| CSIS 77 | Web Design and Publishing (3) |
| CSIS 86 | Network Security Fund./Security+ Prep (3) |
| CSIS 88 | Security Practices: Penetration Testing and Discovery (3) |
| CSIS 177A | Routing and Switching Basics (3) |
| CSIS 190 | Computer Forensics (3) |

Select one course from the following:	4-5
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| MATH 16 | Elementary Statistics (4) |
| MATH 17 | Finite Math (4) |
| MATH18 | Calculus & Analytic Geometry for Bio/Soc Sci/Busi (4) |
| MATH 20A | Managing and Maintaining Windows Server (3) |

TOTAL MAJOR UNITS	23-24
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Associate Degree Requirements (as described above)	23-24
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Contact an MPC counselor for major preparation at specific institutions.

Complete Competency Requirements and MPC General Education Pattern for a total of 60 degree-applicable units (see pages 72-73, 76 in the 2017-18 MPC Catalog).

TOTAL DEGREE UNITS	60
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