**Information Technology – AS**

**Description**

The Information Technology Associate in Science degree prepares students to continue to work toward a bachelor's degree or enter the workforce. Students learn to use various hardware and software systems to solve problems for people and organizations. Students work with networking technologies, applications, Web technologies and database technologies. Students focus on the selection, application and administration of information technologies. The degree minimizes the number of credits required at selected institutions to complete a bachelor's degree. The degree is an ideal mix of practical experience and general education for a field that is constantly evolving.

**Program Outcomes**

1. Apply current technical practices in the core information technologies.
2. Identify the requirements to provide effective solutions for organizations or individuals.
3. Identify effective IT-based solutions.
4. Evaluate current and emerging technologies.
5. Identify the impact of technology on individuals, organizations and society including ethical, legal and policy issues.
6. Demonstrate an understanding of best practices and standards.
7. Demonstrate independent problem-solving skills.
8. Collaborate in teams to accomplish a common goal.
9. Communicate effectively and efficiently with clients, users and peers.
10. Recognize the need for continued learning throughout their career.

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| **Current Course** | **Title** |  | **Change Course** | **Title** |
| CPTR1138 | Information Systems |  | CSCI1110 | Informatics |
| CPTR1122 | Microcomputer Maintenance |  | CPTR1122 | Microcomputer Maintenance |
| CPTR1170 | Web Engineering 1 |  | CPTR1170 | Web Engineering 1 |
| COMM1120 | Intro to Public Speaking |  | COMM1120 | Intro to Public Speaking |
| MnTC Elective |  |  | MnTC Elective |  |
|  |  |  |  |  |
| CPTR1108 | Cisco 1 |  | CPTR1108 | Cisco 1 |
| CPTR1106 | Microcomputer Database |  | CPTR1106 | Microcomputer Database |
| CPTR1148 | Microcomputer Operating System |  | CPTR1178 | Robotics |
| ENGL1101 | College Writing 1 |  | ENGL1101 | College Writing |
| MATH1114 | College Algebra |  | MATH1114 | College Algebra |
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| CPTR2224 | Linux 1 |  | CPTR1001 | Intro to Programming and Scripting |
| CPTR2272 | Network Operating System |  | CPTR2272 | Network Operating System |
| PSYC1200 | General Psychology |  | PSYC1200 | General Psychology |
| MnTC Elective |  |  | HUM2236 | Technology in the Humanities |
| MnTC Elective |  |  | MnTC Elective |  |
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| CPTR1001 | Intro to Programming and Scripting |  | CPTR2224 | Linux 1 |
| CPTR2236 | Network Security |  | CPTR2236 | Network Security |
| HUM2236 | Technology in the Humanities |  | MnTC Elective |  |
| MnTC Elective |  |  | MnTC Elective |  |
| MnTC Elective |  |  | MnTC Elective |  |