

## **Associate of Applied Science in Computer Information Systems for Direct Employment - Small Computer Systems Administrator Option (AASCOMPSYSAD - Direct Employment)**

### Program Description

The Associate of Applied Science in Computer Information Systems (the AAS-CIS) degree is designed to prepare students for employment in the field of microcomputers. The program provides a full range of computer science skills, including computer literacy, data entry, programming, computer operations, and systems analysis and design. Students are trained to select, install, configure, and administer most small computer systems. In order to successfully complete an AAS degree, students must maintain a C grade point average or higher for all coursework.

### TOCC Recommends

Before enrolling in this program, students should consult with a faculty advisor or a counselor. Students pursuing an AAS-CIS degree should meet with their TOCC advisors every semester. Before enrolling in General Education courses, students need to pass REA 091 or achieve a comparable COMPASS score.

<b>AAS in Computer Information Systems Program Requirements</b>	
<b>Required General Education Courses</b>	<b>Credits</b>
<b>OAP 151 &amp; OAP 251 or WRT 101 &amp; WRT 102</b> For AAS (Communication).	6
<b>ART 100 &amp; HIS 122</b> For AAS (Art), AAS (Humanities), AAS (CG)& Himdag history requirement.	6
<b>THO 101 or THO 106</b> For Himdag language requirement.	3-4

<b>Required Support Courses</b>	<b>Credits</b>	
MAT 122 Intermediate Algebra MGT 124 Small Business Management PHI 120 Introduction to Logic For AAS (Critical Thinking) and AAS-CIS support courses.	<b>9</b>	
<b>AAS-CIS Core</b>	<b>Credits</b>	
<b>AAS-CIS Required Courses</b>	<b>Cr.</b>	<b>46-49</b>
CIS 103 Microsoft Windows XP Professional Administration	4	
CIS 119 Network Essentials	3	
CIS 129 Programming and Problem Solving I	5	
or CIS 231 Programming Fundamentals	4	
CIS 136 Microcomputer Components	3	
CIS 137 Introduction to the UNIX Operating System	3	
CIS 170 CISCO I: Networking Fundamentals	5	
CIS 162 Database Design and Development	4	
CIS 187 Data Processing Projects I	1-3	
CIS 220 Novell NetWare Networking and Administration	4	
CIS 221 Microsoft Windows Server	4	
CIS 225 Linux (UNIX) System and Network Administration	4	
CIS 280 Systems Analysis and Design: Concepts and Tools	4	
CIS 281 Systems Analysis and Design: Applications	3	
<b>Elective Courses - Complete Either Option</b>	<b>Credits</b>	
<b>Option 1:</b> Take <b>ACC 101</b> Financial Accounting and <b>ACC 102</b> Managerial Accounting for 3 credits each.	<b>6-10</b>	
<b>Option 2:</b> Complete the Service Learning Sequences <b>CIS 199 &amp; 199WK</b> and <b>CIS 299 &amp; 299WK</b> with a minimum of 6 credits.		
<b>TOTAL</b>	<b>76-84</b>	