**COMPUTER INFORMATION SYSTEMS (CIS)**

### About the program

This degree program provides educational opportunities for students seeking careers in computer and network support positions in the Information Technology field. The program introduces students to network infrastructure and operating systems, data infrastructures, server management, PC repair, and programming fundamentals.

### Degrees/Certificates within this Program:

- Associate of Science Degree, CIS Networking
- Certificate of Achievement, CIS Networking
- Certificate of Recognition, Network Technician

### Similar Degrees/Certificates offered at CR:

- Associate of Science Degree, Computer Support Specialist
- Associate of Science Degree, Digital Media
- Certificate of Achievement, Digital Media

### Career Opportunities

*Employment opportunities in this field include:*

- Computer and Network Installers
- Computer Support Specialist
- Technical Support Technicians
- Network Technicians
- Network Systems Analyst

### For more information

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- www.redwoods.edu/departments/cis/
- Career & Technical Division, 707.476.4341
- Counseling & Advising, 707.476.4150

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**Certificate of Recognition, Network Technician**

<table>
<thead>
<tr>
<th>Units</th>
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<tbody>
<tr>
<td>12.0</td>
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**Program Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CIS 30</td>
<td>CCNA: Computer Network Fundamentals</td>
<td>4.0</td>
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<tr>
<td>CIS 31</td>
<td>Network Operating Systems</td>
<td>4.0</td>
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<tr>
<td>CIS 98</td>
<td>PC Computer Repair and Maintenance</td>
<td>4.0</td>
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**Total Units**

| 12.0 |

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<th>Suggested Program Sequence</th>
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**FALL START**

Semester 1

- CIS 30, CIS 31, CIS 98

**Program Learning Outcomes**

*Network Technician, Certificate of Recognition*

- Implement and manage a simple LAN using contemporary networking hardware, the OSI model and the TCP/IP protocol suite.
- Install and Manage a NOS.
- Disassemble and reassemble a PC.
- Differentiate between the various types of networks and their characteristics.