Why Choose Computer Networks and Systems?
Advancements in digital technologies such as computers, network communications, high-speed control, smart devices, and software create a constant demand for skilled professionals. The Computer Networks and Systems (CNS) graduate is prepared to take leadership roles in the application, development, and management of these technologies. Exceptional technical understanding provided by this program enables graduates to meet the challenges of an ever-evolving digital world.

Computer Networks and Systems is a dynamic Bachelor of Science program targeted to these exciting digital careers. Its strong technical emphasis meets employer’s needs and allows graduates an excellent foundation to enter multiple high-paying career paths. This unique curriculum balances theory with extensive hands-on experience.

Prepare for a Great Career
Networking is emphasized throughout. CNS students gain extensive knowledge and experience designing, constructing, analyzing, and securing networks. Topics in electronics, microprocessors, network/computer hardware, operating systems, signaling, and software are presented throughout the program. To insure that graduates are optimally prepared, courses extend into the most current and specialized technologies. CNS also offers opportunities to gain valuable experience through summer internship and senior projects.

Since CNS is a Cisco Networking Academy member, advanced placement is available for students in the Cisco Networking Academy or who have CCNA certification!

Admission Requirements
Admission to the College of Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies.

Students entering the Computer Networks and Systems program must have a high school diploma or equivalent, two years of mathematics (including algebra and trigonometry) and a minimum ACT math subscore of 19. A laboratory science, preferably physics, and fundamental knowledge of personal computers are strongly recommended.

Graduation Requirements
The Computer Networks and Systems program at Ferris leads to a bachelor of science degree. Graduation requires a minimum 2.0 GPA in core classes, in the major and overall. Students must complete all general education requirements as outlined on the General Education website.
**Computer Networks and Systems • Bachelor of Science**

Information Systems Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS 316</td>
<td>Advanced Java Programming</td>
<td>3</td>
</tr>
<tr>
<td>*Optional Course for CIS Minor (300-400)</td>
<td>Consult CIS Department</td>
<td>3</td>
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</tbody>
</table>

Electives 300/400 level (consult your advisor) | 6

Minimum credits required for BS degree: 135