

# COMPUTER AND INFORMATION TECHNOLOGY, A.A.S.

The **Computer and Information Technology degree** is designed to provide students with a comprehensive understanding of key technical areas including Computers, Networking, Servers, VoIP, Wireless, Cloud, and Security. This program prepares students for transfer, employment, and preparation for industry certification exams (CompTIA A+, CompTIA Security+, Cisco CCNA, Microsoft MCSA).

For more information about Computer and Information Technology, please visit the program of study page (<http://www.cod.edu/cit/>).

## Degree Requirements

Field of Study Code: CIT.AAS.CIT

Code	Title	Credits
<b>Program Requirements</b>		
CIT 1100 or CIT 1120	IT Fundamentals Network Addressing Fundamentals	2-3
CIT 1111	Computer and Hardware Maintenance	3
CIT 1112	Operating System Maintenance	3
CIT 1121	Introduction to Networks	3
CIT 1122	Routing and Switching Essentials	3
CIT 1123	Scaling Networks, Security, & Automation	3
CIT/CIS 1450	Intro to Linux/Unix Operating Systems	3
CIT 1640 or CIT 2251	Network Security Fundamentals Enterprise Network Security	3
CIT 2150	Wireless Network Administration	3
CIT 2410	Enterprise Internet Telephony	3
CIT 1710	Introduction to Servers	3
CIT 2710	Computer Information Technology Capstone	3
<b>Program Electives</b>		
Select 10 or 11 credits from any 1000 or 2000 level CIT course <sup>1</sup>		11
<b>General Education</b>		
Select 18 credits		18
<b>Total Credits</b>		<b>64-65</b>

<sup>1</sup> Students taking CIT 1120 Network Addressing Fundamentals require 11, students taking CIT 1100 IT Fundamentals require 10.

## General Education Requirements

For general education requirements for the AAS degree, please visit the AAS degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).

## Suggested Semester Sequence

Course	Title	Credits
<b>First Semester</b>		
CIT 1100	IT Fundamentals	3
CIT 1111	Computer and Hardware Maintenance	3

CIT 1121	Introduction to Networks	3
CIT 1122	Routing and Switching Essentials	3
MATH 1431	Precalculus I	5
<b>Credits</b>		<b>17</b>
<b>Second Semester</b>		
CIT 1112	Operating System Maintenance	3
CIT 1123	Scaling Networks, Security, & Automation	3
CIT 1124	Connecting Networks	3
GEN ED	Physical & Life Science	3-5
ENGLI 1101 or ENGLI 1105	English Composition I or Workplace Writing	3
Select one of the following:		3
SPEEC 1100	Fundamentals of Speech Communication	
SPEEC 1120	Small-Group Communication	
SPEEC 1150	Introduction to Business Communication	
<b>Credits</b>		<b>18-20</b>
<b>Third Semester</b>		
CIT 1612	Windows PC Desktop Operating Systems	3
CIT 1613	Enterprise PC Support Technician	3
CIT 1710	Introduction to Servers	3
ELECTIVE	Program Elective	3-5
GEN ED	Humanities & Fine Arts	3
<b>Credits</b>		<b>15-17</b>
<b>Fourth Semester</b>		
CIT 1640 or CIT 2251	Network Security Fundamentals or Enterprise Network Security	3
CIT 1645 or CIT 2410	Internet Telephony or Enterprise Internet Telephony	3
CIT 2710	Computer Information Technology Capstone	3
ELECTIVE	Program Elective	3-5
GEN ED	Social & Behavioral Sciences	3-5
<b>Credits</b>		<b>15-19</b>
<b>Total Credits</b>		<b>65-73</b>

## Program Milestones

### First Semester

- Consider joining or visiting with a professional, cultural or interest-based Student Club ([http://cod.edu/student\\_life/clubs\\_org/](http://cod.edu/student_life/clubs_org/)).

### Second Semester

- If you have not done so yet this semester, it is important to make an appointment with a Faculty or Program Advisor (<https://www.cod.edu/academics/programs/cit/faculty.aspx>) to discuss your future academic progress.

This page lists programs related to one another.

- Cisco Certified Network Associate (CCNA) Security, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/cisco-certified-network-associate-ccna-security-certificate/>)
- CIT CCNA, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/cit-ccna-certificate/>)

- CIT Networking Professional, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/cit-networking-professional-certificate/>)
- CompTIA A+ and Network+ PC Technician, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/comp-tia-a-network-pc-technician-certificate/>)
- Computer and Internetworking Technologies, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/computer-internetworking-technologies-certificate/>)
- Cybersecurity and Defense, A.A.S. (<https://catalog.cod.edu/programs-study/computer-information-technology/cybersecurity-defense-aas/>)
- Cybersecurity Specialist, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/cybersecurity-specialist-certificate/>)
- Enterprise System Administrator, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/enterprise-system-administrator-certificate/>)
- System Support Specialist, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/system-support-specialist-certificate/>)
- Voice Over IP Telephony, Certificate (<https://catalog.cod.edu/programs-study/computer-information-technology/voice-over-ip-telephony-certificate/>)