INFORMATION TECHNOLOGY – NETWORK ADMINISTRATION (AAS)

Business & Information Technology

Program website (https://www.harpercollege.edu/academics/business/info-systems/information-technology-degree.php)

Option 2: Information Technology Degree – Network Administration

Program Overview

The 60 credit-hour technical curriculum prepares students for various positions in the field of information technology/computer networking.

This sequenced degree plan is one of two options that students may pursue to earn the Information Technology Associate in Applied Science (AAS) degree. **While there are multiple specializations, this particular degree can be awarded only once.**

Program Requirements

First Semester		Hours
ENG 101	Composition I	3
Mathematics [1]		3
NET 105	Information Technology Fundamentals	3
NET 111	A+ Hardware	3
NET 112	A+ Operating Systems Technologies	3
	Hours	**15**
Second Semester		
CAS 160	Introduction to Business Software Packages	3
ENG 102	Composition II [2]	3
NET 121	Computer Networking	3
NET 201	Service Desk and Service Management	3
WEB 110 or WEB 150	Internet Fundamentals or Web Foundations	3
	Hours	**15**
Third Semester		
CIS 106	Computer Logic and Programming Technology	3
NET 240	Linux Server Administration	3
NET 260	Windows Server Administration	3
Network Administration elective(s) (p. 1)		3
SPE 101	Fundamentals of Speech Communication [2]	3
	Hours	**15**
Fourth Semester		
NET 270	Cisco Networking	3
NET 280	Cybersecurity Fundamentals	3
NET 290	Cloud Computing	3
Network Administration elective(s) (p. 1)		3
SOC 101	Introduction to Sociology [+]	3
	Hours	**15**
	Total Hours	**60**

[1] Students must take at least three credit hours in a mathematics course at the level of MTH 101 or above. MTH 165 is recommended.

[2] Students who have previously completed another course which satisfies AAS General Education electives (https://catalog.harpercollege.edu/catalog/programs/aas-general-education-electives/) requirements should contact the CIS coordinator before taking this course.

[+] This course meets the World Culture and Diversity graduation requirement.

Network Administration Electives

Students must take six credit hours selected from:

Code	Title	Hours
CIS 101	Introduction to Computer Information Systems	3
CIS 137	Computer Internship I	3
CIS 143	Introduction to Database Systems	3
CIS 211	IT Project Management	3
CIS 220	Topics in Computer Information Systems	1-6
FYS 101	First Year Seminar	1-3
MGT 111	Introduction to Business Organization	3
NET 122	Internet Protocols	3

Program Learning Outcomes

- Apply computer hardware, software, and information technology concepts and techniques to a variety of business environments.
- Apply common business productivity software to business functions, including word processing, spreadsheet, database, and presentation applications.
- Install, configure, upgrade, and maintain computer hardware and operating systems.
- Install, configure, and troubleshoot networking devices, protocols, and servers.
- Explain and support general security concepts, including authentication methods, access control, auditing, and attacks.
- Provide support for users of operating systems, applications, and information systems.
- Demonstrate professional and effective communication skills.