

NETWORKING SYSTEMS AND TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



College(s): DA, TR, WR

Program Code: 0141

This program is for students interested in administering and maintaining network equipment as well as software and services common in modern network infrastructures. Curriculum covers both hardware and software components. It also offers students relevant skills required in a variety of industry certifications including A+, Network+, CCENT, CCNA, and CCNA Security.

Program Requirements

Code	Title	Hours
General Education Coursework ¹		
ENGLISH 101	Composition	3
MATH 118	General Education Math (or higher Mathematics)	4
	Fine Arts or Humanities course	3
	Social and Behavioral Sciences course	3
	Physical Sciences or Life Sciences course	3
Required Program Core		
CIS 101	Computer Science 101	3
CIS 111	Computer Operations	3
CIS 116	Operating System I	3
CIS 255	Operating Systems II	3
CIS 260	Computer Information Systems Field Project	3
BUSINES 111	Introduction To Business	3
NET TEC 121	Internetworking I	3
NET TEC 122	Internetworking II	3
NET TEC 221	Internetworking III	3
NET TEC 222	Internetworking IV	3
NET TEC 240	Operating Systems/Server I	3

COMPSFI 102 Information Security Essentials 3

Program Electives

Students must complete a minimum of 9 credit hours in the subjects Computer Information Systems (0032), Networking Technologies (0165), or Cybersecurity (0162). 9

Total Hours 61

¹ At least one course must be an HD course.

Pathway

This is an **example course sequence** for students interested in earning a degree in Networking Systems and Technology. If this pathway is followed as outlined, you will earn a Basic Certificate (BC), an Advanced Certificate (AC), and an Associate in Applied Science (AAS) Degree in Networking Systems and Technology. It does not represent a contract, nor does it guarantee course availability. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below.

The Networking Systems and Technology AAS program is for students interested in administering and maintaining network equipment such as routers, switches, and servers, as well as, maintaining software and services that are common in modern network infrastructures. The curriculum covers both hardware and software components which help prepare students for jobs in the Information Technology (IT) market. It also offers students relevant knowledge and skills required in a variety of industry certifications including: A+, Network+, CCENT, CCNA and CCNA Security.

Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Course	Title	Hours
Semester 1		
ENGLISH 101	Composition ¹	3
CIS 101	Computer Science 101	3
CIS 116	Operating System I	3
CIS 111	Computer Operations	3
NET TEC 121	Internetworking I	3
Hours		15
Semester 2		
NET TEC 122	Internetworking II	3
CIS 255	Operating Systems II	3
MATH 118	General Education Math (or higher Mathematics) ¹	4
Fine Arts & Humanities course (HD) ¹		3
BUSINES 111	Introduction To Business	3
Hours		16
Semester 3		
NET TEC 221	Internetworking III	3
NET TEC 240	Operating Systems/Server I	3
CIS 102	Intro To Programming Logic	3
Physical Sciences or Life Sciences course ¹		3
Program Elective ²		3
Hours		15
Semester 4		
NET TEC 222	Internetworking IV	3
CIS 260	Computer Information Systems Field Project (Capstone or Internship)	3
Social and Behavioral Sciences course ¹		3
Program Elective ²		3
Program Elective ²		3
Hours		15
Total Hours		61

¹ General Education Requirement

² Students must complete a minimum of 9 credit hours in the subjects Computer Information Systems (0032), Networking Technologies (0165), or Cybersecurity (0162).

Choose your courses with your College Advisor.