

Networking Technology (AAS) A25340

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education.

Course work includes design, installation, configuration, and management of network infrastructure technologies and network operating systems. Emphasis is placed on the implementation and management of network software and the implementation and management of hardware such as switches and routers.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program.

Students seeking a degree must earn a grade of "C" or higher on any of the following courses presented for graduation:

ENG 111, Expository Writing; ENG 112, Argument-Based Research or ENG 114, Professional Research & Reporting; COM 231, Public Speaking, or COM 110: Introduction to Communication; CIS 110, Introduction to Computers (or another approved computer course) and MAT 121 - Algebra/Trigonometry I (or another approved mathematics course). Any course approved by the North Carolina Community College System and Southern Association of Colleges and Schools as a core requirement will be accepted. Please see Requirements for Graduation as stated in the Academic Regulations section of the *Academic Bulletin and Student Handbook*.

Networking Technology (AAS)

Course and Hour Requirements

Major Courses	Credit Hours
BUS 110	3
CIS 110	3
CIS 115	3
CTS 120	3
DBA 110	3
NET 125	3
NET 126	3
NET 225	3
NET 226	3
NET 289	3
NOS 110	3
NOS 120	3
NOS 130	3
NOS 230	3
SEC 110	3

Select at least 6 hours from the following:

COE 111	1
COE 122	2
CSC 151	3
DBA 115	3
NET 175	3
NET 193	3
NET 240	3
NOS 220	3
NOS 221	3
NOS 231	3
SEC 150	3
SEC 160	3
SEC 210	3
SEC 240	3

Total Major Hours: 51

General Education Courses	Credit Hours
---------------------------	--------------

Select one of the following:

ACA 115	1
ACA 122	1

Communications:

ENG 111	3
COM 110 <i>or</i>	3
COM 231	3

Select one of the following:

ENG 112	3
ENG 113	3
ENG 114	3

Humanities/Fine Arts Elective (Select one):

ART 111	3
ART 114	3
ART 115	3
DRA 111	3
ENG 231	3
ENG 232	3
ENG 241	3
ENG 242	3
ENG 261	3
ENG 262	3
ENG 272	3
HUM 110	3
HUM 115	3
HUM 120	3
HUM 122	3
HUM 170	3
HUM 211	3
MUS 110	3
PHI 210	3
PHI 240	3
REL 110	3
REL 111	3
REL 112	3
REL 211	3
REL 212	3
REL 221	3

Social/Behavioral Science (Select one):

PSY 150	3
SOC 210	3

Mathematics:

MAT 121	3
(or higher level math)	

Total General Education Hours: 19

TOTAL CREDIT HOURS REQUIRED FOR GRADUATION: 70

Networking Technology (AAS)

Suggested Sequence of Courses

FIRST YEAR		—	Hours		—
Fall Semester		Class	Lab	Credit	
ACA 115	Success and Study Skills <i>or</i>	0	2	1	
ACA 122	College Transfer Success	1	0	1	
BUS 110	Intro to Business	3	0	3	
CIS 110	Intro to Computers	2	2	3	
CIS 115	Intro to Prog and Logic	2	3	3	
ENG 111	Expository Writing	3	0	3	
NET 125	Networking Basics	1	4	3	
		12	11	16	
Spring Semester					
CTS 120	Hardware/Software Support	2	3	3	
DBA 110	Database Concepts	2	3	3	
ENG 112	Argument-Based Research <i>or</i>	3	0	3	
ENG 113	Literature-Based Research <i>or</i>	3	0	3	
ENG 114	Prof Research & Reporting	3	0	3	
NET 126	Routing Basics	1	4	3	
NOS 110	Operating Systems Concepts	2	3	3	
SEC 110	Security Concepts	3	0	3	
		16	13	18	
SECOND YEAR					
Fall Semester					
COM 110	Introduction to Communication <i>or</i>	3	0	3	
COM 231	Public Speaking	3	0	3	
NET 225	Routing & Switching I	1	4	3	
NOS 120	Linux/Unix Single User	2	2	3	
NOS 130	Windows Single User	2	2	3	
PSY 150	General Psychology <i>or</i>	3	0	3	
SOC 210	Intro to Sociology	3	0	3	
	Major Elective *	3	0-20	3	
		14	8-20	18	
Spring Semester					
NET 226	Routing & Switching II	1	4	3	
NET 289	Networking Project	1	4	3	
NOS 230	Windows Admin I	2	2	3	
MAT 121	Algebra/Trigonometry I	3	0	3	
	(or higher level math)				
	Humanities Elective*	3	0	3	
	Major Elective *	3	0-20	3	
		13	10-20	18	

TOTAL CREDIT HOURS REQUIRED FOR GRADUATION: 70

*See "Course and Hour Requirements"