

Networking Technology

FALL 2009

[A25340] Associate in Applied Science Degree (Day, Evening/Online/Hybrid)

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.

COMPETENCIES

Randolph Community College is committed to continuous improvement through program evaluation. One part of the evaluation is to assess program competencies. While our program contains many competencies for students to achieve, each year a select few are chosen for assessment purposes. This year, program competency assessment will focus on these:

1. Explain terminology and concepts used by computer technicians.
2. Use interpersonal skills to interact with business users on computer issues.
3. Solve problems using various computer technologies.

GENERAL ADMISSIONS REQUIREMENTS FOR CURRICULUM PROGRAMS

Applicants for admission to Randolph Community College must be 18 years of age or high school graduates. The College will accept students with a high school equivalency diploma. A high school diploma or the equivalent is required of all applicants enrolling in curriculum courses. Persons intending to enroll in a specific curriculum are encouraged to submit their applications at least two months prior to the term in which they wish to enroll. Applicants are not admitted into specific curriculum programs, and thus, not eligible for financial aid until admission requirements are met (i.e. transcripts, testing, etc.). Applications can be obtained from high school counselors and from Student Services.

IN ORDER TO ENROLL, THE STUDENT SHOULD

- complete an RCC application,
- provide official copies of high school transcript and/or GED test scores and all college transcripts,*
- call (336) 633-0224 to discuss placement testing,
- meet with someone in RCC's financial aid office if necessary, (336) 633-0205,
- meet with your faculty advisor (during specified registration period),
- register and pay for classes (during specified registration period).

*Applicants who are high school graduates should request a copy of their high school transcript. In cases where the last six weeks' work is not completed, a supplemental transcript should be forwarded to the College after the student's graduation. GED graduates must submit official copies of their GED test scores. Students transferring from other colleges or post-high school institutions must submit official transcripts from all such institutions attended. For transcript release forms, call Student Services, (336) 633-0224. Transcripts are not official unless they are sent directly from the high school or college attended.

FACULTY ADVISORS

The faculty advisors for Networking Technology are: Stephen Baltés, sjbaltés@randolph.edu, (336) 633-0326; and Curby Simerson, clsimerson@randolph.edu, (336) 633-0326.



DAY

	Hours/Week			Sem. Hrs Credit
	Class	Lab	Wk. Exp.	
First Year: Fall Semester				
CIS 110 Intro. to Computers	2	2	0	3
CTS 115 Info Sys Business Concepts	3	0	0	3
NOS 110 Operating System Concepts	2	3	0	3
--- Social/Behavioral Science	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	10	5	0	12

First Year: Spring Semester

CTS 120 Hardware/Software Support	2	3	0	3
DBA 110 Database Concepts	2	3	0	3
MAT 140 Survey of Mathematics	3	0	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3
--- Humanities/Fine Arts	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	12	8	0	15

First Year: Summer Session

CIS 115 Intro to Programming & Logic	2	3	0	3
NOS 130 Windows Single User	2	2	0	3
SEC 110 Security Concepts	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	7	5	0	9

Second Year: Fall Semester

CSC 139 Visual BASIC Prog	2	3	0	3
ENG 111 Expository Writing	3	0	0	3
NET 125 Networking Basics (1st 8 weeks of 16-week semester)	1	4	0	3
NET 126 Routing Basics (2nd 8 weeks of 16-week semester)	1	4	0	3
NOS 230 Windows Admin I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
	9	13	0	15

Second Year: Spring Semester

ENG 114 Prof. Research & Reporting	3	0	0	3
NET 225 Routing & Switching I (1st 8 weeks of 16-week semester)	1	4	0	3
NET 226 Routing & Switching II (2nd 8 weeks of 16-week semester)	1	4	0	3
NET 240 Network Design	3	0	0	3
WEB 110 Internet/Web Fundamentals	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
	10	10	0	15

TOTAL SEMESTER HOURS CREDIT: 66

EVENING/ONLINE/HYBRID

	Hours/Week			Sem. Hrs Credit
	Class	Lab	Wk. Exp.	
First Year: Fall Semester				
CIS 110 Intro. to Computers	2	2	0	3
CTS 115 Info Sys Business Concepts	3	0	0	3
NOS 110 Operating System Concepts	<u>2</u>	<u>3</u>	<u>0</u>	<u>3</u>
	7	5	0	9

First Year: Spring Semester

CTS 120 Hardware/Software Support	2	3	0	3
DBA 110 Database Concepts	2	3	0	3
--- Social/Behavioral Science	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	7	6	0	9

First Year: Summer Session

CIS 115 Intro to Programming & Logic	2	3	0	3
SEC 110 Security Concepts	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	5	3	0	6

Second Year: Fall Semester

ENG 111 Expository Writing	3	0	0	3
NET 125 Networking Basics (1st 8 weeks of 16-week semester)	1	4	0	3
NET 126 Routing Basics (2nd 8 weeks of 16-week semester)	<u>1</u>	<u>4</u>	<u>0</u>	<u>3</u>
	5	8	0	9

Second Year: Spring Semester

ENG 114 Prof. Research & Reporting	3	0	0	3
NET 225 Routing & Switching I (1st 8 weeks of 16-week semester)	1	4	0	3
NET 226 Routing & Switching II (2nd 8 weeks of 16-week semester)	<u>1</u>	<u>4</u>	<u>0</u>	<u>3</u>
	5	8	0	9

Second Year: Summer Session

CSC 139 Visual BASIC Prog	2	3	0	3
NOS 130 Windows Single User	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
	4	5	0	6

Third Year: Fall Semester

MAT 140 Survey of Mathematics	3	0	0	3
NOS 120 Linux/UNIX Single User	2	2	0	3
NOS 230 Windows Admin I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
	7	4	0	9

Third Year: Spring Semester

NET 240 Network Design	3	0	0	3
WEB 110 Internet/Web Fundamentals	2	2	0	3
--- Humanities/Fine Arts	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
	8	2	0	9

TOTAL SEMESTER HOURS CREDIT: 66