**AS, Network Systems Technology**

**Purpose**

The Associate in Science (AS) in Network Systems Technology program offers a sequence of courses that that presents coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers such as cabling specialists, network control operators, data communications analysts, network technicians, computer security specialists, network specialists, network managers, network systems analysts, network systems technicians, network troubleshooters, WAN/LAN managers, or systems administrators. The content includes but is not limited to planning, installing, configuring, monitoring, troubleshooting and managing computer networks in a LAN/WAN environment. Students will be prepared to apply conceptual and theoretical knowledge to the workplace utilizing technical skills learned during the program.

**Program Structure**

This program is a planned sequence of instruction consisting of 63 credit hours in the following areas: 18 credit hours of General Education Requirements, 45 credit hours of Networking Systems Technology Core, Business, and Elective requirements The Network Security Certificate is a 30 credit hour certificate that prepares students for entry into employment and is comprised of core courses in the AS Network Systems Technology degree. The Information Technology Support Specialist Certificate is an 18 credit hour certificate that also prepares students for entry into employment and is comprised of core courses in the AS Network Systems Technology degree. As such, either or both can be earned before the student has earned the AS Network Systems Technology degree.

**Course Prerequisites**

***Many courses require prerequisites.*** Click on each course’s name in the list below to check for prerequisites, minimum grade requirements, and other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.

**Graduation**

Students must fulfill all requirements of their program major after which, students must complete an application for graduation through the Office of the Registrar and enroll in the GRD 2000 course the semester in which they intend to graduate. Students must apply for graduation ***by the*** ***published deadline*** to be assured of final clearance for graduation, timely receipt of their diploma, and participation in the commencement ceremony.

**General Education Requirements: 18 Credit Hours**

ENC 1101 - Composition I - 3 credits

ENC 1102 - Composition II - 3 credits

SPC 1017 - Fundamentals of Speech Communication - 3 credits

**OR**

SPC 2023 - Introduction to Public Speaking - 3 credits

PHI 2100 - Logic: Reasoning and Critical Thinking - 3 credits

\*Gen Ed Mathematics (MAC 1105-College Algebra or STA 2023-Statistical Methods I recommended) - 3 credits

\*Gen Ed Social Sciences (ECO 2013 - Economics I Recommended) – 3 credits

\*Courses specified as Mathematics, and Social Sciences may be chosen from any courses listed in the Associate in Arts Degree General Education Program Guide, AA, under their respective categories.

**Information Technology Core Requirements: 18 Credit Hours**

CGS 1000 - Computer Literacy - 3 credits (or CLEP CGS 1077 - 3 transfer credits)

CGS 1100 - Computer Applications for Business - 3 credits

CGS 2260 - Computer Hardware and Software Maintenance - 3 credits

CIS 2321 - Systems Analysis and Design - 3 credits

CNT 1000 - Computer Networking Essentials - 3 credits

COP 1000 - Introduction to Computer Programming 3 credits

**Networking Services Technology, AS Degree Core Requirements: 21 Credit Hours**

CTS 2120 – Computer and Network Security (Security +) - 3 credits

CTS 2142 - Introduction to Project Management – 3 credits

OR

MAN 2582 - Principles of Project Management – 3 credits

CTS 2321 - Linux Internet Servers - 3 credits

CTS 2334 - Microsoft Windows Server - 3 credits

CTS 2655 - Internetworking with Cisco Routers - 3 credits

MAN 2021 - Management Principles - 3 credits

SLS 1331 - Personal Business Skills - 3 credits

**Approved Electives: 6 Credit Hours**

Any 1000 or 2000 level course with a CNT or CTS Prefix – 3 credits

Any 1000 or 2000 level course

**Total Degree Requirements: 63 Credit Hours**

**Information is available online at:** [**http://www.edison.edu/academics/**](http://www.edison.edu/academics/) **or on the School of Business and Technology Home Page at:** [**http://www.edison.edu/sobt**](http://www.edison.edu/sobt)