Network Systems Technology

ASSOCIATE IN SCIENCE(AS)

2024 - 2025

Student's Name: _____

Student's ID Number: _____

Pathway Navigator: _____ **Faculty Advisor:** ***David Lee***

General Education (15 hours)

The Associate in Science degree consists of a minimum of 60 college-level semester hours with at least 15 semester hours of General Education Core courses. The General Education Core courses are chosen for their appropriateness for each degree and represent courses from each of the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science/ social science and communications. Consult with your Faculty Advisor if you have any questions.

Communications (3/4 credits)

- ☐ ENC1101 English Composition I●+* 3
- ☐ ENC1101C Enhanced English Comp. I●+* 4

Humanities (3 credits)
Select one Humanities course

Humanities 1–Visual & Performing Arts

- ☐ ARH2000 Understanding Visual Arts● 3
- ☐ MUL2010 Understanding Music● 3
- ☐ THE2000 Understanding Theater● 3

Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- ☐ HUM2020 Introduction to Humanities●+* 3
- ☐ PHI2010 Intro. to Philosophy●+* 3

Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- ☐ LIT2000 Literature and Culture●+* 3

Mathematics (3 credits)

- ☐ MAC1105 College Algebra●+* 3

Natural Sciences (3 credits)
Select one Science course

Physical Sciences

- ☐ AST1002 Descriptive Astronomy● 3
- ☐ CHM1045 General Chemistry●+ 3
- ☐ ESC2000 Earth & Space Science Survey● 3
- ☐ EVR1001 Intro. to Environmental Science● 3
- ☐ GLY1010 Physical Geology● 3
- ☐ OCE1001 Fundamentals of Oceanography● 3
- ☐ PHY1020 Basic Concepts of Physics● 3
- ☐ PHY2048 University Physics I●+ 4
- ☐ PHY2053 College Physics I●+ 3

Biological Sciences

- ☐ BSC1005 General Biological Science● 3
- ☐ BSC2010 Biology for Science Majors I●+ 3
- ☐ BSC2085 Anatomy & Physiology I●+ 3

Social Sciences (3 credits)
Select one Social Science Course

History

- ☐ AMH2010 United States History I●@ 3
- ☐ AMH2020 United States History II●@ 3

Government

- ☐ POS2041 American Nat'l Government●@ 3

Major Courses (45 hours)

he Associate of Science degree in Network Systems Technology prepares graduates for careers in the Information Technology Career Cluster, including, but not limited to, systems/ network/security managers, administrators, technicians, and specialists; ethical hackers/ penetration testers/technicians, and customer/ technical support personnel.

This program maps courses to industry recognized certification pathways including those offered by CompTIA, Cisco, EC-Council, EMC, VMware, and Microsoft.

Students complete 15 general education and 36 major course hours along with 9 credit hours from one of four concentrations—network administration, or Degree-seeking students also complete one or more college credit certificates as part of their program.

College Credit Certificate embedded in this specialization NESA-CCC, Network Server Administration

- ☐ CTS1111 Linux+(plus)* 3
- ☐ CTS1120 Security+(plus)+* 3
- ☐ CTS1131 A+ Hardware#* 3
- ☐ CTS1133 Desktop Oper. Systems (A+ software)* 3
- ☐ CTS1650 Network Fundamentals* 3
- ☐ CTS1651 Cisco Rout. Tech/Rout. Prot. Conc.+* 3
- ☐ CTS2652 Adv. Rout.Tech. (Cisco/CCNA)+* 3
- ☐ CTS1390 Install. & Config. Windows Serv.* 3
- ☐ CNT1510 Wireless Networking+#* 3
- ☐ CTS2193 Cloud Essentials+#* 3
- ☐ CTS2315 Intrusion Detection & Firewalls+* 3
- ☐ CGS1103 Project Mgmt. Concepts & Process. 3
- ☐ COP1000 Intro. to Programming Logic* 3
- ☐ CTS2370 Virtual Infast.: Install. & Config.+* 3
- ☐ CTS2941 Network Tech. Services Cap.+# 3

Other AS Requirements

- ☐ **General Education Core Requirement**
  Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

- ☐ **Civic Literacy Requirement (@)**
  Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

Developmental Courses

- ☐ ENC0022 Dev. Writing I & II Combined* 3
- ☐ REA0019 Dev. Reading I & II Combined* 3
- ☐ MAT0012 Dev. Arithmetic with Algebra* 3

Key

+ = Prerequisite or co-requisite required
* = Minimum grade of "C" required
@ = Course meets Civic Literacy Requirement
●= General Education Core course
#=Applies to A.S. and Certificate Programs

Courses not Used

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Notes

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