

# Program Requirements and Course Descriptions for Associate Degrees

## Associate of Applied Science in Information Technology Network Systems:

A. General Education Course Requirements - 10 courses from the following, including the two required courses below:

1. FYE 101 - First Year Experience (3 cr. hrs.) Required
2. ENG 101 - English Composition I (3 cr. hrs.) Required
3. One of the following: ENG 102 - English Composition 2 (3 cr. hrs.) or ENG 110 - Oral Communication (3 cr. hrs.)
4. Social & Behavioral Sciences - no more than one of the following:
  - a. ECO 101 - Macroeconomics (3 cr. hrs.) or ECO 102 - Microeconomics (3 cr. hrs.)
  - b. PSY 101 - Introduction to Psychology (3 cr. hrs.)
  - c. SOC 101 - Introduction to Sociology (3 cr. hrs.)
  - d. ANT 201 - Survey of Anthropology (3 cr. hrs.)
  - e. POL 203 - Survey of American Politics (3 cr. hrs.)
5. Artistic Expression - no more than one of the following:
  - a. MUS 101 - Introduction to Music (3 cr. hrs.)
  - b. ART 101 - Art Appreciation (3 cr. hrs.)
  - c. ENG 207 – Survey of Literature (3 cr. hrs.)
  - d. ENG 201 - Poetry (3 cr. hrs.)
6. Cultural Awareness - no more than one of the following:
  - a. HIS 122 - Modern History (3 cr. hrs.)
  - b. PHL 111 – Religions of the World (3 cr. Hrs.)
  - c. SOC 211 - Racial and Ethnic Minorities (3 cr. hrs.)
  - d. POL 112 - Introduction to International Relations (3 cr. hrs.)
  - e. MUS 114 - World Music (3 cr. hrs.)
7. Mathematics - no more than one of the following:
  - a. MAT 102 - Mathematical Concepts (3 cr. hrs.)
  - b. MAT 111 - College Algebra (3 cr. hrs.)
  - c. MAT 202 - Introduction to Statistics (3 cr. hrs.)
8. Natural Science - no more than one of the following:
  - a. BIO 101 - General Biology with Lab (4 cr. hrs.)

- b. GLG 220 - Environmental Geology with Lab (4 cr. hrs.)
9. Technology Skills
- a. CIS 100 - Computer Applications and Concepts (3 cr. hrs.)
10. Ethics
- a. PHL 101 - Introduction to Philosophy (3 cr. hrs.)

Sub-Total: 10 courses required

B. Program Major Requirements – 8 courses from the following courses:

- 1. CIS 113 - IT Hardware Essentials and Support (3 cr. hrs.)
- 2. CIS 115 - Information Technology Fundamentals (3 cr. hrs.)
- 3. CIS 117 - Operating Systems Interfaces (3 cr. hrs.)
- 4. CIS 119 - Introduction to Programming - Python (4 cr. hrs.)
- 5. CIS 120 - Network Integration and Management (3 cr. hrs.)
- 6. CIS 185 - Introduction to Network Security (3 cr. hrs.)
- 7. CIS 215 - Database Design and Application Development (3 cr. hrs.)
- 8. CIS 220 - Systems Development (3 cr. hrs.)
- 9. CIS 250 - Internet/Intranet Networking (3 cr. hrs.)

Sub-Total: 8 courses required

C. Electives – 2 courses (6 cr. hrs.) from the course schedule, as approved by the program advisor.

D. Total Courses Required for the Associate of Applied Science in Information Technology Network Systems: 20 Courses