**Advanced Professional Certificate**

**Program Prerequisites**

Graduation from the Associate of Science Program in CENT or a Program in Information Technology that included equivalent course work in:

- Basic Networking (such as CENT 140, 240),
- Network Operating Systems (such as CENT 270),
- TCP/IP (such as CENT 227 or CENT 228),
- UNIX (such as CENT 253 or CENT 228),
- Introduction to Databases (such as CENT 280),
- Introduction to Computer Science (such as ICS 111)

MATH 103 or MATH 135 or Higher

**General Education Requirements (9 credits)**

- Humanities (DH) or HWST 107 (DH/H) or ENG 25X (DL) (3 credits)
- HIST 152 (FGB) (3 credits)
- Biological Sciences (DB) (3 credits)

**CENT APC Courses (21 credits)**

- CENT 275 Security Essentials (3 credits)
- CENT 310 Network Security (3 credits)
- CENT 315 Network Management (3 credits)

**CENT Technical Electives**

Select 5 courses from below:

- CENT 300 Systems Analysis and Design (3 credits)
- CENT 305 Information Systems Security (3 credits) (UHWO)
- CENT 331 Telecommunications II (3 credits)
- CENT 340 Advanced Routing (3 credits)
- CENT 345 Multilayer Switching (3 credits)
- CENT 350 Junos Routing (3 credits)
- CENT 370 Integrated Network Applications (3 credits)
- CENT 372 Network Operating Systems II (3 credits)
- CENT 375 Virtualization (3 credits)
- CENT 377 Cloud Infrastructure (3 credits)
- CENT 390 Special Topics in CENT (3 credits)

This flowchart provides an overview of the APC certificate in CENT.

For more detailed information about program requirements, consult an academic advisor.