Advanced Professional Certificate
Program Prerequisites

Graduation from the Associate of Science Program in CENT or a Program in Information and Technology that included equivalent course work in:
- Basic Networking (such as CENT 140, 240),
- Network Operating Systems (such as CENT 270),
- 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

AS Course Pre-Requisite
- CENT 275 Security Essentials (3 credits)

General Education Requirements (9 credits)
- Humanities (DH) or HWST 107 (DH/H) or ENG 25X (DL) (3 credits)
- HIST 152 (FG) (3 credits)
- Biological Sciences (DB) (3 credits)

CENT APC Courses (21 credits)
- CENT 310 Network Security (3 credits)
- CENT 315 Network Management (3 credits)

APC Program Electives
Select 5 courses from below

CENT courses (offered at HCC)
- CENT 300 Systems Analysis and Design (3 credits)
- 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)

ISA courses (offered at UHWO)
- ISA 400 Management of Information Security (3 credits)
- ISA 320 Fundamentals of Secure Software Programming (3 credits)
- ISA 330 Introduction to Proactive System Security (3 credits)
- ISA 340 Introduction to Digital Forensics (3 credits)
- ISA 450 Modern Cyber Conflicts (3 credits)

This flowchart provides an overview of the APC certificate in CENT. For more detailed information about program requirements, consult an academic advisor.