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 Web Applications (such as CENT 285),
- Introduction to Computer Science (such as ICS 111)
MATH 103 or MATH 135 or Higher

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

CENT Courses
- CENT 310 Network Security (4 credits)
- CENT 315 Network Management (4 credits)

CENT Technical Electives
Select 4 from below
- CENT 300 Systems Analysis and Design (3 credits)
- CENT 305 Information Systems Security (3 credits) (BAS required course – requires course substitution in APC)
- CENT 340 Advanced Routing (4 credits)
- CENT 345 Multilayer Switching (4 credits)
- CENT 370 Integrated Network Applications (4 credits)
- CENT 372 Network Operating Systems II (4 credits)
- CENT 390 Special Topics in CENT (4 credits)

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

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