

This flowchart provides an overview of the BAS degree in CENT.

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

Advanced Professional Certificate (BAS Upper Level) 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

BAS Upper Division General Education Requirements

SP 151(O)
Personal and Public Speaking (3 credits)

Biological Sciences (DB) (3 credits)

HWST 107 (DH/H) (HCC or UHWO) (3 credits)

HIST 152 (FG) (HCC or UHWO) (3 credits)

Social Sciences (DS) (Upper Division, WI) (UHWO) (3 credits)

CENT Courses

CENT Core Courses

CENT 305
Information Systems Security (4 credits)

CENT 315
Network Management (4 credits)

CENT 310
Network Security (4 credits)

CENT Technical Electives

Tech Elective #1 (3-4 credits) [1 from below]

Tech Elective #2 (4 credits) [1 from below]

- CENT 300 Systems Analysis and Design (3 credits)
- CENT 340 Advanced Routing (4 credits)
- CENT 345 Multilayer Switching (4 credits)
- CENT 351 Unix System Administration II (4 credits)
- CENT 360 Network Security II (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)

UHWO Courses Residency requirement: 30 credits at UHWO / 45 Upper Division Credits Required

BAS Core Courses

PUBA 341 or BUSA 320
Statistics for Decision Making (3 credits)

ENG 200 (UHWO) OR ENG 210 (HCC) or ENG 215 (3 credits)

SSCI 301
Methods and Techniques (DS) (3 credits)

PUBA 481 or BUSA 481
Ethics & Administration (E) (3 credits)

CENT 410
Project Management (4 credits) (WI)

BAS 486/490
Senior Project/ Admin. Practicum (3 credits) (WI)

UHWO Elective Courses
Selected from the approved list of electives with concurrence of Faculty Advisor

UHWO Elective #1 (3 credits)

UHWO Elective #2 (3 credits)

UHWO Elective #3 (3 credits) or CENT Technical Elective #3 (3 or 4 credits)

UHWO Elective #4 (3 credits) or CENT Technical Elective #4 (3 or 4 credits)

BAS Upper Division 4/3/2009