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 Applications (such as ICS 111)

BAS Upper Division
Fall 2011
Rev Date: 8/2/2011

**BAS Upper Division General Education Requirements**

- **O-Focus Requirement** (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 310** Network Security (4 credits)
- **CENT 315** Network Management (4 credits)

**CENT Core Courses**

**CENT Concentration Courses**

- **CENT 305** Information Systems Security (3 credits)
- **CENT 410** Project Management (3 credits) (WI)

**CENT Technical Electives**

Select a minimum of 2 courses from below

- CENT 300 Systems Analysis and Design (3 credits)
- 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)

**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)
  - PUBA 481 or BUSA 481 Ethics & Administration (E) (3 credits)
  - BAS 486/490 Senior Project/ Admin. Practicum (3 credits) (WI)
  - **ENG 200 (UHWO) OR ENG 209 (HCC)**
  - **ENG 210 (HCC) OR ENG 215 (3 credits)**
  - **SSCI 301 Methods and Techniques (DS)** (3 credits)
  - **PUBA 481** (HCC or UHWO) or PUBA 481 (HCC) (3 credits)

- **Elective Courses**
  Select a minimum of 4 electives with concurrence of Faculty Advisor. A minimum of 2 general electives is required. The remaining two electives may be general electives or CENT Technical Electives.

  - **General Electives:**
    - **Management Information Systems:**
      - PUBA 332 Contemporary Business Issues;
      - PUBA 345 Management Information Systems
    - **Business:**
      - BUSA 310 Concepts in Accounting [may soon be replaced in the evolving accounting program];
      - BUSA 321 Business Finance;
      - BUSA 324 Business Law
    - **Management/Administration:**
      - BUSA 435 Strategic Planning;
      - BUSA 462 Disaster Recovery & Business Continuity;
      - PUBA 301 Health Care Administration;
      - PUBA 302 Health Policy, Politics and Law;
      - PUBA 306 Principles of Public Administration;
      - PUBA 313 Communication Skills for Administrators [Oral focus];
      - PUBA/PUBA 480 Organizational Behavior [Psych 100 prerequisite]