

# BAS in Cybersecurity and Forensics

Maps to National Initiative for Cyber Security Education (NICE Framework)

**AAS in**

- Network Security Engineer
- Or
- Digital Forensics & Investigations
- Or
- Web/Database Developer
- Or
- AA with CIS emphasis
- Or
- Related Fields

Must Have CIS 150, CIS 160, CIS 161 and CIS 166 or equivalent

Note: All students must take CIS 155

**Database Security Certificate**

- CIS 310 DB Installation & Config (Fall) → CIS 412 DB Security & Audit (Fall) → CIS 414 Adv DB Security (Winter)

**Digital Forensics & investigation Certificate**

- CIS 360 Mobile Forensics & Inv. (Spring) → 370 Network Forensics & Inv. (Winter) → CIS 440 e-Discovery Infrastructure and Practice (Fall)

**Advanced Network Security Certificate**

- CIS 320 Adv. Router & Switch A. (Fall) → CIS 420 Cloud Security (Winter)
- CIS 320 Adv. Router & Switch A. (Fall) → CIS 430 Wireless & Mobile Sec. (Spring)

**Penetration Testing Certificate**

- CIS 450 Pen Testing I (Winter) → CIS 460 Pen Testing II (Spring)

CIS 480 or CIS 490 Internship or Cyber Design (Fall, Winter, Spring, Summer)

**GENERAL EDUCATION REQUIREMENTS\***

\*Based on transcripts - see advisor.

- SOC 115 Crime and Society
- PSYCH& 100 General Psychology
- PSYCH 320 Social Psychology or other SOC or PSYCH class\*
- ENV SCI 301 Global Environmental Issues
- COMST 320 or COMST 330 Presentations or ENGL 335 Advanced Professional Writing
- PHIL 346 Professional Ethics
- CIS 389 \*\* Big Data Analytics

Note: \*\* prerequisite to CIS 412

**OTHER SUPPORTING CLASSES**

- BUSN 318 Project Management

[cis.highline.edu](http://cis.highline.edu)

Advisors:  
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