Cybersecurity and Information Assurance Programs

The key is collaboration!
COLLABORATION

- Why collaboration
- NSF grant
NSF GRANT AND STUDENTS

- Seamless transition for students
  - ECC or GCC for an associates degree or certificate program
  - Hilbert for a baccalaureate degree in Economic Crime Investigation
  - Masters in the areas of IA and security from UB
- Greater number of students pursuing a graduate degree
NSF GRANT AND FACULTY

- Faculty training
- Faculty collaboration
NSF GRANT AND LABS

- Labs are costly
- Software
- Lab security
IN CONCLUSION...

- Through this collaborative grant, we will be able to:
  - Help students have a seamless transition
  - Train faculty in forensics
  - Upgrade computer labs
Thank you
HILBERT’S ECI PROGRAM

- Hands on, practical approach to information assurance
- Law enforcement focus
- Certified to CNSS 4011 and 4013E
FACTORS TO CONSIDER

- Qualified faculty
- Textbooks
- Dedicated lab
- Costs of software
### MAJOR COURSES: LOWER-LEVEL (12)

- ACC 205 ACCOUNTING PRINCIPLES I
- ACC 206 ACCOUNTING PRINCIPLES II
- CJ 101 INTRODUCTION TO CRIMINAL JUSTICE
- CJ 204 CRIME & SOCIETY

### MAJOR COURSES: UPPER-LEVEL (21)

- ACC/ECI 313 FINANCIAL INVESTIGATIONS
- CJ 333 INFORMATION SECURITY
- ECI 340 INTELLIGENCE RESEARCH METHODS
- ECI 350 LAW OF ECONOMIC CRIME
- ECI 460 SENIOR SEMINAR
- ECI/CLW
- ECI/CLW

### LIBERAL ARTS: UPPER-LEVEL (18)

- EN 340 PROFESSIONAL AND TECHNICAL WRITING
- INTERDISCIPLINARY CORE II

### LIBERAL ARTS

1. 
2. 
3. 

### ALL COLLEGE ELECTIVES

1. 

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### General Requirements (42)

- EN 101 COLLEGE WRITING
- EN 102 WRITING IN THE HUMANITIES
- COM 151 PUBLIC SPEAKING
- INTERDISCIPLINARY CORE I

### Math

1. MA 200 TOPICS IN STATISTICS
2. MA 145 COLLEGE MATHEMATICS OR EQUIVALENT

### Liberal Arts Electives (Any Level)

1. 
2. 
3. 

### All College Electives (Any Level)

1. 
2. 
3. 

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### Computer Security (CS) Option (30)

#### Lower-Level Courses (15)

- MA 180 Discrete Math
- CIS 170 Computer Systems: Comp. Architecture and OS
- CIS 220 Intro. To Computer Programming C/C++
- CIS 230 Database Management Systems
- CIS 270 Introduction to Computer Networking

#### Upper-Level Courses (15)

- ACC 310 Corporate Taxation
- ACC 320 Intermediate Accounting I
- ACC 321 Intermediate Accounting II
- ACC 420 Auditing
- ACC 430 Fraud Examination

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**Financial Investigation (FI) Option (30)**

**Lower-Level Courses (15)**

- Math/Science Elective
- Computer Elective
- MIS 206 or CIS 230
- ACC 270 Income Tax Theory and Practice
- BUS/ACC/ECI Elective

**Upper-Level Courses (15)**

- ACC 310 Corporate Taxation
- ACC 320 Intermediate Accounting I
- ACC 321 Intermediate Accounting II
- ACC 420 Auditing
- ACC 430 Fraud Examination

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### Option:

- [ ] Computer Security
- [ ] Financial Investigations
- [ ] Undecided
## Hilbert College

**ECONOMIC CRIME INVESTIGATION**
Baccalaureate in Science
123 Credit Hours

### Name

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- CIS 230 Database Management Systems
- CIS 270 Introduction to Computer Networking

#### Upper-Level Courses (15)
- ECI 345 Computer and Network Security
- ECI 355 Computer Crime
- ECI 360 Computer Forensics
- ECI 380 Business Continuity
- ECI 410 Introduction to Cryptography

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**Key:**

- [ ] Computer Security
- [ ] Financial Investigations
- [ ] Undecided

**NOTE:** The degree program requires 123 credit hours to graduate.

Revised 1-20-07

ALL COLLEGE ELECTIVE
1. ________________________________