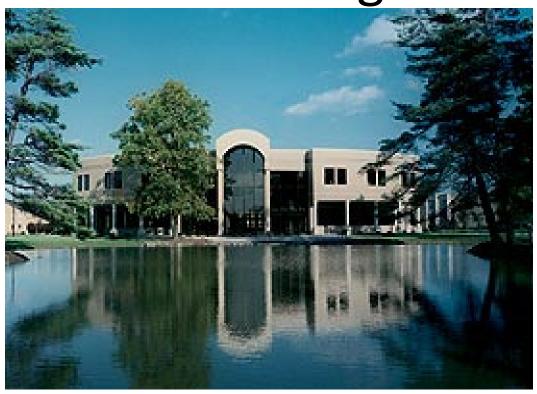
# Cybersecurity and Information Assurance Programs



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



Anticipated graduation					
Updated					
Updated					
Updated			_		

Name		
MAJOR COURSES: LOWER-LEVEL (12)	GENERAL REQUIREMENTS (42)	
ACC 205 ACCOUNTING PRINCIPLES I	EN 101 COLLEGE WRITING	
ACC 206 ACCOUNTING PRINCIPLES II	EN 102 WRITING IN THE HUMANITIES	
	COM 151 PUBLIC SPEAKING	
CJ 101 INTRODUCTION TO CRIMINAL JUSTICE	INTERDISCIPLINARY CORE I	
CJ 204 CRIME & SOCIETY	MATH	
MAJOR COURSES: UPPER-LEVEL (21)	1. MA 200 TOPICS IN STATISTICS	
ACC/ECI 313 FINANCIAL INVESTIGATIONS	2. MA 145 COLLEGE MATHEMATICS OR EQUIVALENTSO 101 INTRODUCTION TO SOCIOLOGY	
CJ 333 INFORMATION SECURITY	ECO 201 MICROECONOMICS,	
ECI 340 INTELLIGENCE RESEARCH METHODS	LIBERAL ARTS ELECTIVES (ANY LEVEL)	
	1	
ECI 350 LAW OF ECONOMIC CRIME	2	
ECI 450 SENIOR SEMINAR	3	
ECI/CJ/LW	ALL COLLEGE ELECTIVES (ANY LEVEL)	
BCI/CJ/LW	1	
LIBERAL ARTS: UPPER-LEVEL (18)	2	
EN 340 PROFESSIONAL AND TECHNICAL WRITING		
INTERDISCIPLINARY CORE IL	Option:  Computer Security	
LIBERAL ARTS	☐ Financial Investigations ☐ Undecided	
1	□ Onaeciaea	
2		
ALL COLLEGE ELECTIVE	Financial Investigation (FI) Option (30)	
1.	Lower-Level Courses (15)	
	Math/Science Elective	
Computer Security (CS) Option (30)	Computer Elective	
Lower-Level Courses (15)	MIS 206 or CIS 230 ACC 270 Income Tax Theory and Practice	
MA 180 Discrete Math CIS 170 Computer Systems: Comp. Architecture and OS	BUS/ACC/ECI Elective	
CIS 220 Intro. To Computer Programming C/C++		
CIS 230 Database Management Systems	Upper-Level Courses (15)	
CIS 270 Introduction to Computer Networking	ACC 310 Corporate Taxation ACC 320 Intermediate Accounting I	
	ACC 321 Intermediate Accounting I	
Upper-Level Courses (15)	ACC 420 Auditing	
ECI 345 Computer and Network Security	ACC 430 Fraud Examination	
ECI 355 Computer Crime		



An	ticip	ated	graduation	

Financial Investigation (FI) Option (30)

### Hilbert Colle ECONOMIC CRIME INVE Baccalaureate in Science

Baccalaureate in Science	Lower-Level Courses (15)
123 Credit Hour	
Name	Computer Elective
GENE	MIS 206 or CIS 230
MAJOR COURSES: LOWER-LEVEL (12) EN 101	ACC 270 Income Tax Theory and Practice
ACC 205 ACCOUNTING PRINCIPLES I EN 102	
EN 102	V
ACC 206 ACCOUNTING PRINCIPLES II COM 15	Upper-Level Courses (15)
0 4 5 4 600 0 4 700	ACC 310 Corporate Taxation
Computer Security (CS) Option (30)	ACC 320 Intermediate Accounting I
Lower-Level Courses (15)	ACC 321 Intermediate Accounting II
MA 180 Discrete Math	ACC 420 Auditing
CIS 170 Computer Systems: Comp. Architecture and OS	ACC 420 Auditing ACC 430 Fraud Examination
CIS 220 Intro. To Computer Programming C/C++	
CIS 230 Database Management Systems	
CIS 270 Introduction to Computer Networking	,
Upper-Level Courses (15)	
	LLEGE ELECTIVES (ANY LEVEL)
ECI 355 Computer Crime	
ECI 360 Computer Forensics	
ECI 380 Business Continuity	
ECI 410 Introduction to Cryptography	
T/	Option:
Key:	☐ Computer Security
NOTE: The degree program requires 123 credit hours to graduate.	Financial Investigations
Revised 1-20-07	<del>-</del>
	☐ Undecided
ALL COLLEGE ELECTIVE	