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	Bachelor of Science-Computer Science/Information Assurance Track (NEW)	
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	Proposal- Information Assurance Track.Micco/Sanwar
,	The ranidly developing field such as Computer Science, it is important that the analysts's advection he based
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	and fundamental so that new trends can more readily be followed. Our goal is to balance fundamentality and breadth with sufficient supervised practice so that our graduates are productive at the time they graduate but ready and willing to change with the field.
· · · · · · · · · · · · · · · · · · ·	Most applied computer scientists work in cooperation with professionals trained in other areas and with managers. Hence, the ability to work and communicate with others of different educational backgrounds is an important characteristic. To that end, we encourage Computer Science majors to take a strong minor (or area
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	Proposal- Information Assurance Track.Micco/Sanwar
	funded for ¼ release each to develop this new curriculum and we have already offered 3 five-day
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	3. Credit Requirements (see also attached summary)
	A student who registers for the Information Assurance track will first complete the 27 credits in the
	Computer Science core, then they will take 2 required courses, COSC 316 Cybersecurity Basics and
	COSC 356 Network security. From there they will select one controlled elective and one upper
	level elective from the lists provided. Then they will take their 4sh internship or practicum where they work on real life projects under the supervision of the faculty. This will make 42 credits in the
	major. In addition we are requiring them to take a minor in the Criminology Department with
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•	Proposal- Information Assurance Track.Micco/Sanwar
	about network perimeter defenses, the importance of demilitarized zones, and how to protect their
	Survival authorite those professe and aribantements. The comme families of the
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·	the Basics course but focuses on a much more in denth analysis of techniques for hardening
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•	networks.
	3. COSC 427 Cryptography (NEW)
	Prerequisite: COSC 310, MATH 122 or 123
34	Comman Description
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	b. Authorization: We have a letter supporting the hiring of additional faculty if the need arises (see attachment).
	Denvision of gents. The required laboraters for avancating this answers had been a
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	in Stright. The laboratory machines were purchased using funds from the NSF Cybersecurity grant.
3.	Are other resources adequate? (Space, equipment, supplies, travel funds)
	a. Space: The needed laboratory has been set up on the first floor of Stright hall.
	h Fayinment: Servers needed for the 1sh have been nurshared with NSE funding
	<del></del>
	c. Supplies: None
	d. Travel Funds: No travel funds are needed for faculty training in the near future. The NSF

Proposal- Information Assurance Track.Micco/Sanwar

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### College of Natural Sciences and Mathematics 305 Weyandt Hall

October 21, 2001

TO:

Mary Micco

FROM:

John S. Eck

RE:

Cyber security Curriculum

In the meeting with President Pettit and Provost Staszkiewicz on October 19 they

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<u>,                                    </u>		
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I		
	Department of Special Education and Clinical Services Davis Hall, Room 203 570 South Eleventh Street Indiana, Pennsylvania 15705-1087	724-357-2450 Fax: 724-357-7716 Internet: http://www.iup.edu
_	November 13_2001	
	To Whom It May Concern:	
	As Chairperson of the University Senate of the	e Indiana University of Pennsylvania, I an ex officio member of our curriculum
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committees. In the role, I am aware of the efforts of the Criminology and Computer Science departments in preparing a program in the area of CyberSecurity. I believe that our departments are uniquely qualified to offer such a program, and I strongly support the concept. As they proceed through the curriculum approval process, I am sure there will be appropriate input from all levels to optimize the quality of such a program.

Sincerely,

### **MEMORANDUM**

TO: Gary Buterbaugh

FROM: Rich Nowell

RE: CyberSecurity Program

DATE: 11/13/01

Gary:

I don't have any power as Chair of the Senate to make any recommendations on curriculum approval, but I am attaching a letter of support, for what it's worth. I am sure the committee will give it a quick review to provide the necessary signature from

# Indiana University of Pennsylvania



**Department of Management Information Systems** The Eberly College of Business and Information Technology Fax: 724-357-4831 664 Pratt Drive, Room 203

Indiana, Pennsylvania 15705-1087

724-357-2929

Internet: http://www.eberly.iup.edu/im/

Date: December 10, 2001

To: Dr. William Oblitey

Computer Science Department

From: Dr. Louise Burky

MIS & Decision Sciences Department

MIS Minor RE:

Dear Bill,

Please consider this a letter of approval for your Cybersecurity/Information Assurance minor which would be available to our majors. At the present time. I can only commit to

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	\$

#### Statement Of Support For Joint Minor In Cyber Security Cyber Track in the BS Degree in Computer Science APSCUF

IUR-APSCUF believes that should this proposal clear the curriculum committee as written, IUP-APSCUF would allow the amounts to be forwarded to the IUP Council of Trustees.

Patricia T. Heilman
Printed Name

12-10-01 Date

## Indiana University of Pennsylvania

	College of Humanities and Social Sciences	724-357-2280
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	December 7, 2001	Internet: http://www.iup.edu

To Whom It May Concern:

The interdisciplinary Cyber Security Minor received provisional approval by the College of Humanities and Social Sciences Curriculum Committee on November 14, 2001. Two new courses that will be required for the minor were approved unanimously also.

Given the discussion at the College Curriculum Committee, I am confident that the Committee will also approve the Cyber Security Track proposal in the Computer Science B.S. Degree Program.

I applaud the development of this interdisciplinary program and look forward to its implementation.

Sincerely,

Brenda L. Carter, Dean

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