

ECS



FORM B

**CALIFORNIA STATE UNIVERSITY, SACRAMENTO
PROGRAM PROPOSAL**

Academic Unit: Computer Science	Date of Submission to College Dean: March 9, 2006
Requested Effective: Fall <u>X</u> , Spring __, 2006 __.	
Name of Contact Person, if not Department Chair: Isaac Ghansah	
Title of the Program: Minor in Information Security and Computer Forensics	
Type of Program Proposal: ____ Modification in Existing Program: ___ Substantive Change ___ Non-Substantive Change ___ Deletion of Existing Program ____ New Programs ___ Initiation (Projection) of New Program on to Master Plan ___ New Degree Programs ___ Regular Process ___ Fast Track Process ___ Pilot Process <u>X</u> New Minor, Concentration, Option, Specialization, Emphasis ___ New Certificate Program	
PLEASE NOTE: Form B is to be used only as a Cover Form. Additional information is requested for each of the above as noted in the corresponding procedure in the Policies and Procedures for Initiation, Modification, Review and Approval of Courses and Academic Programs found at http://www.csus.edu/acaf/univmanual/index.htm	

Briefly describe the program proposal (new or change) and provide a justification.

Minor in Information Security and Computer Forensics

A campus-wide center for Information Assurance and Security was established approximately a year ago at California State University, Sacramento. There are approximately one hundred such centers in the USA, the majority of which are located on university campuses.

The center, in coordination with the Computer Science (CSC) and Criminal Justice (CRJ) departments, has developed a minor program for the purpose of educating future criminal justice professionals in the area of computer and telecommunications crime investigation and evidence processing.

The courses in the proposed minor are a combination of three existing CSC courses along with three proposed new CSC courses. The intended audience is students in Criminal Justice, but students in Management Information Systems, Business, Pre-Law, and Liberal Studies may also benefit. (The courses listed below cannot be used for Computer Science electives.)

A. Required Courses (18 units)

- (3) CSC 010 Introduction to Programming (passing grade on the ELM)
- (3) CSC 080 Information Exchange on the Web (CSC 008, or equivalent computer and Internet experience)
- (3) CSC 114 Fundamentals of Information Assurance & Security (CSC 010, CSC 080)
- (3) CSC 115 Internet Security (CSC 114)
- (3) CSC 116 Cyber Forensics (CSC 114)
- (3) CSC 122 Web Database Applications (CSC 010 or other programming language proficiency, CSC 080 or equivalent)

Listed below is one possible course sequence that allows completion of the Minor in three semesters with appropriate background.

<u>Semester 1</u>	<u>Semester 2</u>	<u>Semester 3</u>
CSC 010	CSC 122	CSC 115
CSC 080	CSC 114	CSC 116

Note: CSC 010, CSC 080, and CSC 122 have existed in the computer science course offerings for years. CSC 114, CSC 115, and CSC 116 are new courses. The latter three courses are suitable adaptations of several existing courses in the information assurance and security area in the Computer Science Department.

Approvals:

Department Chair:  Date: 3/27/2006

School Dean: Mary Jane Lee Date: 4-06-06

University Committee: _____ Date: _____

Associate Vice President and Dean
for Academic Affairs: _____ Date: _____

Attachment to Form B – Minor in Information Security and Computer Forensics

- 1. Indicate programmatic or fiscal impact which this change have on other academic units' programs, and describe the consultation that has occurred with affected units. Attach a copy of correspondence with these units.** Du Zhang, Computer Science Chair, and several faculty members have met a number of times with Will Vizzard, Criminal Justice Chair, who has reviewed and approved this proposal. Due to the large number of majors Criminal Justice has, and its flexibility in approving electives from other programs, this minor is seen as a "win/win" for both Computer Science and Criminal Justice. It would increase FTES for Computer Science and give Criminal Justice majors more career options, although it would have no fiscal or programmatic impact on Criminal Justice.

- 2. Provide a fiscal analysis of the proposed changes.**
 - a. How will the above changes be accommodated within the department/College existing fiscal resources?** The addition of this Minor will be accommodated easily since the courses will be taught by existing faculty and the estimated number of students from Criminal Justice enrolling in this minor, while helpful to Computer Science FTES, is relatively small.

 - b. If the proposed changes will require additional resources, describe the level and nature of additional funding the College will seek for the program changes.** No additional resources will be necessary.

 - c. What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed? Estimate the cost and indicate how these resource needs will be accommodated.** No additional space, equipment, operating expenses, library, computer, media resources, clerical/technical support, or other resources will be needed.