



SACRAMENTO  
STATE

# Program Proposal Form B



*Original*

<b>Academic Group (College):</b> Engineering and Computer Science	<b>Date of Submission to College Dean:</b> April 16, 2007
<b>Academic Organization (Department):</b> Computer Science	<b>Requested Effective:</b> Fall <u>X</u> , Spring __, 20 <u>07</u> .
<b>Department Chair:</b> Du Zhang	<b>Contact if not Department Chair:</b> Cui Zhang

**Title of the Program:** Certificate of Academic Achievement in Information Assurance and Security

**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
  - 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.**

Add CSC 236, Formal Methods in Software Engineering, as one of the courses that students can select.

**Justification:** Formal methods are used in part to develop trusted systems, which are an integral part of information assurance. CSC 236 routinely covers the material of formal methods for the engineering of secure software. In addition, the course usually has the latest research results in the area of formal methods for security presented by experts. Thus inclusion of this course in the certificate program will enhance the certificate.

**Approvals:**

Department Chair:  Date: 4/16/2007

College Dean:  Date: 4/20/07

University Committee: \_\_\_\_\_ Date: \_\_\_\_\_

Associate Vice President and Dean  
for Academic Affairs: \_\_\_\_\_ Date: \_\_\_\_\_