



SACRAMENTO STATE

Program Proposal Form B



Academic Group (College): Engineering and Computer Science	Date of Submission to College Dean: September 17, 2008
Academic Organization (Department): Computer Science	Requested Effective: Fall <u>X</u> , Spring __, 2009 __.
Department Chair: Anne-Louise Radimsky	Contact if not Department Chair: Cui Zhang

Title of the Program: MS in CS Advanced Achievement Certificate in Systems Software

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.

Make CSC 239 (Advanced Operating Systems Principles and Design) required instead of optional. CSC 245 and CSC 250 are now optional courses instead of one of them being a possible replacement.

Justification: With the current catalog, students can receive both the Certificate in Data Management Systems and the Certificate in Systems software by completing CSC 244, CSC 250, and CSC 258. The proposed change will not allow the same three courses to qualify for two certificates. In addition, making CSC 239 a required course strengthens the Systems Software Certificate. The movement of CSC 245 and CSC 250 to the optional group allows for more flexibility in students' schedules.

Approvals:

Department Chair: Al Radimsky **Date:** 9/17/08

College Dean: John Chenberg **Date:** 10/6/08

University Committee: _____ **Date:** _____

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

Attachment to Form B – Certificate of Academic Achievement in Systems Software

1. **Form B – see attached.**
2. **Indicate programmatic or fiscal impact which this change would have on other academic units' programs, and describe the consultation that has occurred with affected units. Attach a copy of correspondence with these units.** There would be no programmatic or fiscal impact on other academic units' programs.
2. **Provide a fiscal analysis of the proposed changes.**
 - a. **How will the above changes be accommodated within the department/College existing fiscal resources?** No additional resources will be necessary.
 - 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 resources will be necessary.

Proposed Changes:

Make CSC 239 (Advanced Operating Systems Principles and Design) required instead of optional. CSC 245 and CSC 250 are now optional courses instead of one of them being a possible replacement.

NEW PROGRAM	OLD PROGRAM
<p>Certificate in Systems Software (9 units)</p> <p>+++++</p> <p>(3) CSC 239 Advanced Operating Systems Principles and Design (CSC 205)</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p>	<p>Certificate in Systems Software (9 units)</p> <p>(9) Select at least three from the following:</p> <p>CSC 239 Advanced Operating Systems Principles and Design (CSC 205)</p> <p>CSC 244 Database System Design (CSC 174 or CSC 204)</p> <p>CSC 251 Principles of Compiler Design (CSC 151 or CSC 201)</p> <p>CSC 258 Distributed Systems (Fully classified graduate status in Computer Science, Software Engineering, or Computer Engineering and CSC 204)</p> <p>One of the above may be replaced by one of the following:</p>
<p>(6) Select at least two of the following:</p> <p>CSC 245 Performance Modeling and Evaluation (Fully classified graduate status in Computer Science or Software Engineering)</p> <p>CSC 250 Computer Security (fully classified graduate status in Computer Science, Computer Engineering, or Software Engineering)</p> <p>CSC 251 Principles of Compiler Design (CSC 151 or CSC 201)</p> <p>CSC 258 Distributed Systems (Fully classified graduate status in Computer Science, Software Engineering, or Computer Engineering and CSC 204)</p>	<p>+++++</p> <p>CSC 245 Performance Modeling and Evaluation (Fully classified graduate status in Computer Science or Software Engineering)</p> <p>CSC 250 Computer Security (fully classified graduate status in Computer Science, Computer Engineering, or Software Engineering)</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p> <p>+++++</p>

CSC 288C Special Topics in Computer
Science – Systems
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