Program Proposal
Form B

Academic Group (College): College of Engineering and Computer Science
Date of Submission to College Dean: February 26, 2007

Academic Organization (Department): Computer Science Department
Requested Effective: Fall X__, Spring____, 2007____

Department Chair: Du Zhang
Contact if not Department Chair:

Title of the Program: M.S. in Computer Science

Type of Program Proposal:

____X____ Modification in Existing Program:
  __ Substantive Change
  ___X___ 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 required 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/aecf/univmanual/index.htm

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

Add CSC 134, Database Management and File Organization, to the program admission requirements.

This requirement will ensure better preparation for graduate course work and better evaluation of applicants' overall academic background. Because almost all graduate program applicants have database course background, the addition of this requirement will not adversely impact the number or expectations of applicants.

Approvals:

Department Chair: [Signature] Date: 2/27/2007

College Dean: [Signature] Date: 3/23/07

University Committee: [Signature] Date:

Associate Vice President and Dean for Academic Affairs: [Signature] Date:
1. **Form B**: Attached.

2. **Programmatic or Fiscal Impact on Other Academic Units' Programs.**

   There will be no programmatic or fiscal impact on other academic units' programs.

3. **Fiscal Analysis of Proposed Changes.**

   a. **How will the proposed changes be accommodated within department/college existing fiscal resources?**

      No additional resources are needed.

   b. **If the proposed changes will require additional resources, describe the level and nature of additional funding the college will seek.**

      N/A.

   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.**

      N/A.
4. New/Old Program Requirements

NEW ADMISSION REQUIREMENTS
Admission as a classified graduate student requires:
- A baccalaureate degree;
- A minimum 3.0 GPA in the last 60 units attempted;
- GRE general test;
- Mathematical preparation including two semesters of calculus and one semester of calculus-based probability and statistics corresponding to Sacramento State courses MATH 030, MATH 031, STAT 050;
- Computer Science lower division preparation including programming proficiency, discrete structures, machine organization, and UNIX and PC-based program development environment proficiency corresponding to Sacramento State courses CSC 015, CSC 020, CSC 028, CSC 035, and CSC 060 and as evidenced by a pass on the graduate student placement test or a baccalaureate degree in Computer Science; and
- Computer Science advanced preparation as evidenced by a 3.25 GPA in the following Sacramento State upper division computer science courses or their equivalent elsewhere: CSC 130, CSC 131, CSC 132, CSC 134, CSC 137, CSC 138, CSC 139.

Applicants with deficiencies in the admission requirements area are advised to remove any such deficiencies before applying.

OLD ADMISSION REQUIREMENTS
Admission as a classified graduate student requires:
- A baccalaureate degree;
- A minimum 3.0 GPA in the last 60 units attempted;
- GRE general test;
- Mathematical preparation including two semesters of calculus and one semester of calculus-based probability and statistics corresponding to Sacramento State courses MATH 030, MATH 031, STAT 050;
- Computer Science lower division preparation including programming proficiency, discrete structures, machine organization, and UNIX and PC-based program development environment proficiency corresponding to Sacramento State courses CSC 015, CSC 020, CSC 028, CSC 035, and CSC 060 and as evidenced by a pass on the graduate student placement test or a baccalaureate degree in Computer Science; and
- Computer Science advanced preparation as evidenced by a 3.25 GPA in the following Sacramento State upper division computer science courses or their equivalent elsewhere: CSC 130, CSC 131, CSC 132, CSC 134, CSC 137, CSC 138, CSC 139.

Applicants with deficiencies in the admission requirements area are advised to remove any such deficiencies before applying.