

- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

The Department will seek accreditation for its B.S. program in Computer Science from the Accreditation Board for Engineering and Technology (ABET) in Fall 2002. ABET requires at least 30 hours of mathematics and science, including at least 12 hours of laboratory science. The proposed change will place our program in compliance with ABET requirements by increasing the requirement in laboratory science from 9 hours to 12 hours. The additional science course will replace an elective in the curriculum.

We are requiring that one of three science courses be chemistry or physics. This will expose computer science students to a more quantitative science while still allowing students who want to apply computer science to biology or geology to take a two-course sequence in one of these subjects.

The new requirement for CSCE 2153, Introduction to Object-Oriented Programming will give computer science students an early exposure to object-oriented programming techniques. This is a new course. ABET requires that students be familiar with modern programming languages. We are making room for this requirement by deleting the requirement for CSCE 4323, Formal Languages.

We are making our statistics requirement the same as computer engineering. Both STAT 3013 and INEG 3313 require Calculus II as a prerequisite and satisfy the ABET requirement of covering both probability and statistics.

SECTION VII: Catalog Text and Format

Insert the current catalog text and the proposed catalog text. Be sure that the proposed text includes all the elements listed below in order. Do not include university requirements or college requirements. Do not substitute a sample schedule for an explicit statement of requirements. Use standard terms and vocabulary (see Academic Policy 1621.10).

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Current catalog copy (page 107, 2001-2002 Catalog of Studies)

Requirements for a major in Computer Science, Bachelor of Science Degree: At least 47 hours in the major department including CSCE 1113/1111L or CSCE 1113H/1111M, CSCE 1123/1121L, CENG 2113, CSCE 2133, CSCE 2143, CSCE 3213, CSCE 3313, CSCE 4413, CSCE 4513, CSCE 4313, CSCE 4323; 12 hours of electives (at least nine at the senior level) to be selected from CSCE 4523, CSCE 4753, CSCE 4253, CSCE 4613, CSCE 490V, CSCE 4912H, CSCE 498V, CENG 4813, CENG 4423, CENG 4533, ELEG 3923, ELEG 4683, ELEG 4943, MATH 3353.

The mathematics, statistics, and science requirements for the B.S. degree in computer science are MATH 2103, MATH 2554, MATH 2564, MATH 3083, MATH 3103 and STAT 4003/4001L or STAT 3013 and a two-course sequence in a laboratory science. The courses used to satisfy this requirement must be chosen from the natural sciences and must be approved by the department; only courses that may be used to satisfy the requirements for a B.S. degree in the department offering the course will be approved.

Proposed catalog copy

Requirements for a major in Computer Science, Bachelor of Science Degree: At least 47 hours in the major department including CSCE 1113/1111L or CSCE 1113H/1111M, CSCE 1123/1121L, CENG 2113, CSCE 2133, CSCE 2143, CSCE 2153, CSCE 3213, CSCE 3313, CSCE 4413, CSCE 4513, CSCE 4313; 12 hours of electives (at least nine at the senior level) to be selected from CSCE 4523, CSCE 4753, CSCE 4253, CSCE 4323, CSCE 4613, CSCE 490V, CSCE 4912H, CSCE 498V, CENG 4813, CENG 4423, CENG 4533, ELEG 3923, ELEG 4683, ELEG 4943, MATH 3353, or other courses as approved by departmental committee.

The mathematics, statistics, and science requirements for the B.S. degree in computer science are MATH 2103, MATH 2554, MATH 2564, MATH 3083, MATH 3103, STAT 3013 or INEG 3313 and 12 hours of laboratory sciences which include a two-course sequence in a single laboratory science. One of the courses used to satisfy this requirement must be either CHEM 1103/1101L or PHYS 2054/2050L. The courses used to satisfy this requirement must be chosen from the natural sciences and must be approved by the department; only courses that may be used to satisfy the requirements for a B.S. degree in the department offering the course will be approved.

---End of Proposed Catalog Copy---

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:

- (1) College (2) Department (3) Admissions (4) Institutional Research (5) Continuing Education (6) Graduate School
(7) Treasurer (8) Undergraduate Program Committee Initials _____ Date _____