

CURRICULUM PROPOSAL FORM

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***DEADLINES:**

REGULAR COURSE PROPOSALS: OCTOBER 23, 1998 FOR FALL, 1999 AND FEBRUARY 19, 1999 FOR SPRING, 2000
SHORT-TERM COURSE PROPOSALS: DECEMBER 11, 1998 FOR FALL, 1999 AND MARCH 26, 1998 FOR SPRING 2000

C919

PROPOSAL TITLE: Change of Designation of Degree Title: From "B.S. in Electrical" TO
SPONSOR/S: B.S. in Electrical and Computer Engineering
DEPARTMENT: Electrical Engineering Dept.

CHECK ALL THAT APPLY:
 UNDERGRADUATE GRADUATE

COLLEGE: Engineering
If LAS: History/Humanities
 Math/Sciences
 Social/Behavioral Sciences

* * * * *

TYPE OF PROPOSAL (Check ALL that Apply)

<input type="checkbox"/> General Education	<input type="checkbox"/> New Course (NOT Gen. Ed.)
<input type="checkbox"/> New Course in <u>Bank</u>	<input checked="" type="checkbox"/> Name Change (Dept., School, Major) - Program
<input type="checkbox"/> Existing course, Add To <u>Bank</u>	<input type="checkbox"/> Changes in Degree Requirements
<input type="checkbox"/> Multicultural/Global Designation	<input type="checkbox"/> Changes Involve Gen. Ed. requirements
<input type="checkbox"/> Writing Intensive Designation	<input type="checkbox"/> Minor Changes to Existing Courses
<input type="checkbox"/> Literature Designation	<input type="checkbox"/> Course is NOT General Education
<input type="checkbox"/> New Minor/Concentration/Specialization	<input type="checkbox"/> Course IS General Education
<input type="checkbox"/> New Major/Degree Program	
<input type="checkbox"/> Short Term Course Proposal	

DEPARTMENT
(SIGNATURE INDICATES APPROVAL)
[Signature] 4/8/1997
DEPT. CURRICULUM CHAIR / DATE DEPT. CHAIRPERSON / DATE

COLLEGE CURRICULUM COMMITTEE
DATE OF OPEN HEARING (if necessary) _____

APPROVED - in a previous formulation of a 1997-1998 proposal
 NOT APPROVED
COMMENTS:

SIGNATURE DATE

ACADEMIC DEAN (& GRADUATE DEAN, for New Graduate Programs Only)

APPROVED
 NOT APPROVED
COMMENTS:

[Signature] 4/8/99
SIGNATURE (Academic Dean) DATE

SIGNATURE (Graduate Dean) DATE

UNIVERSITY CURRICULUM COMMITTEE

DATE OF OPEN HEARING (if necessary) 4/8/99

APPROVED

NOT APPROVED

COMMENTS:

College of Engineering has approved abbreviation to "Electrical & Computer Eng." degree to meet 30-character limit on degree names

Paulette M. Reeves 4/14/99
SIGNATURE DATE

SENATE

Date announced at Senate _____

Voted upon at Senate: Approved Not Approved Date:

EXECUTIVE VICE PRESIDENT/PROVOST

APPROVED

NOT APPROVED If no, reasons are as follows:

STUDENT CREDIT HOURS _____ FACULTY LOAD HOURS _____ EQUALIZED CREDIT HOURS _____

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): _____

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST

[Signature] ANICE *[Signature]* 5/25/99

REGISTRAR

DATE APPROVED COURSE DESCRIPTION RECEIVED _____

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED _____

DATE/SIGNATURE OF REGISTRAR Robert J. Smith 4/20/99

NOTIFICATION FORWARD:

SENATE CURRICULUM COMMITTEE CHAIRPERSON

DEPARTMENT CHAIRPERSONS

ACADEMIC DEAN(S)

REGISTRAR

SPONSOR(S)

T.M.
4/20/99

**Change of Designation of Degree Title:
From "B.S. in Electrical Engineering" to
"B.S. in Electrical & Computer Engineering"**

1. Details

- a. Change Requested: Change of degree name from "Bachelor of Science in Electrical Engineering" to "Bachelor of Science in Electrical and Computer Engineering" [may be abbreviated to Electrical and Computer Eng. to meet 30 character limit]
- b. Sponsors: Electrical & Computer Engineering Program

2. RATIONALE:

- a. Statement of need: The Senate Curriculum Committee and Provost recently approved a name change of the Electrical Engineering Program to the "Electrical and Computer Engineering Program." This proposal would bring the DEGREE In line with the Program name change.
- b. Statement of Curricular Effect: None currently; the curriculum for the Bachelor of Science degree will remain the same.

3. Results of Consultation:

- a. Parties consulted: Consultations were internal to the Engineering College. Computer Science was also consulted (see attached).
- b. Results: Computer Science and Electrical Engineering are currently discussing overlap of titles and courses.



*Computer Science Department
Don C. Stone, Ph.D., Chair*

To: John L. Schmalzel, Chair, Electrical and Computer Engineering
From: Don C. Stone, Chair, Computer Science D.C.S.
Date: 8 April 1999
Re: B. S. in Electrical and Computer Engineering

Extensive discussions between Computer Science and Electrical and Computer Engineering concerning curriculum concerns and issues have resulted in the attached Memorandum of Understanding. In light of this memorandum, the Computer Science Department supports the change of designation of degree title from B. S. in Electrical Engineering to B. S. in Electrical and Computer Engineering.

Memorandum of Understanding

7 April 1999

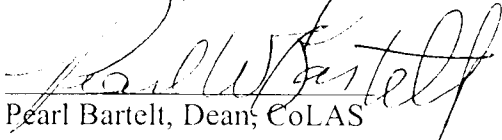
Purpose: The purpose of this memorandum of understanding is to clarify some of the issues relating to shared curriculum interests between the Department of Computer Science (CS) and the Electrical and Computer Engineering (ECE) Program.

Background: The active collaboration between ECE and CS is of significant value; efforts to date have resulted in funded NSF proposals, course development, and laboratory development. We would like to continue to develop our interaction, building upon the strengths of our respective areas. We also recognize that both CS and ECE must operate in such a way as to meet the program needs developed by their respective faculties to achieve their curricular goals and to meet the requirements of accrediting bodies such as Computing Sciences Accreditation Board (CSAB) and the Accreditation Board for Engineering and Technology (ABET). Both CS and ECE believe that their current curricula are creditable essentially as they now stand without significant changes in content.

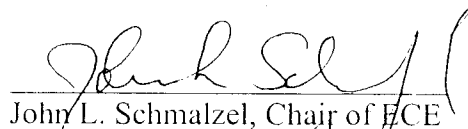
1. **Areas of significant efforts.** Both CS and ECE deal broadly with computers; however, each will concentrate most of their efforts in one of two areas. CS will emphasize *software* and *algorithms* and ECE will emphasize *hardware systems*. Recognizing that hardware and software are part of a continuum, this agreement does not preclude the inclusion of an appropriate balance of hardware and software in either program. However, ECE makes a commitment not to put significant resources into developing new capabilities in the software/algorithms area, and CS makes a commitment not to put significant resources into developing new capabilities in the hardware area.
2. **Future curriculum development.**
 - a. **Undergraduate programs:** Planning for possible future curriculum development related to Computer Engineering or to Software Engineering as a major, minor, or concentration should include both ECE and CS, and in all probability the result will be jointly administered.
 - b. **Graduate programs:** CS will support (if proposed) an MS in ECE in the College of Engineering, and ECE will support (if proposed) an MS in CS or an MS in Software Engineering in the College of Liberal Arts and Sciences.
3. **Minor in Computer Science.** Some of the courses included in the current ECE program are requirements or elective options for a minor in CS; other courses in the ECE program are similar to required or elective courses for the CS minor. It would be a benefit for students majoring in ECE if they could obtain a minor in CS within the existing curriculum requirements of the 4-year, 128-hour degree, and this does appear to be possible. Clarifying the coursework equivalence between the CS minor and the ECE program will facilitate this process and can be done as part of the process of developing the equivalences relating to a dual major in ECE and CS.



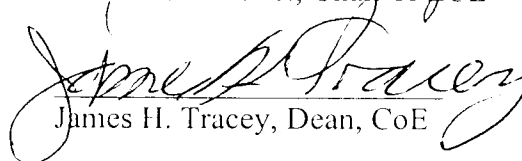
Don C. Stone, Chair of CS



Pearl Bartelt, Dean, CoLAS



John L. Schmalzel, Chair of ECE



James H. Tracey, Dean, CoE



President's Office

July 19, 1999

Dr. Peter Burnham, Chair
President's Council
New Jersey Commission on Higher Education
Brookdale Community College
765 Newman Springs Road
Lincroft, NJ 07738-1597

RE: Nomenclature Change of Major Program at Rowan University

Dear Dr. Burnham:

Rowan University wishes to report the following nomenclature change in an undergraduate major program:


From: Bachelor of Science in Electrical Engineering
To: Bachelor of Science in Electrical and Computer Engineering

This change was initiated to better describe the content of the program. It was approved by the dean of the College of Engineering, the University Senate Curriculum Committee and the Executive Vice President/Provost. The University Board of Trustees formally approved this at its public meeting on June 23, 1999.

This information is being provided in order to update your records of major programs offered by Rowan University.

If you have any questions or desire additional information, please contact me.

Sincerely,


Donald J. Farish
President

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cc: James Sulton, Executive Director, New Jersey Commission on Higher Education
Dr. Ronald Applbaum, Chair, New Program Review Committee
Dr. Carol Matteson, Executive Vice President/Provost
Dr. James Tracey, Dean, College of Engineering
Dr. John L. Schmalzel, Chair of Electrical and Computer Engineering Program