**Memo**

To: Undergraduate Curriculum Committee

From: S. Kozaitis, Department Head of Electrical and Computer Engineering

Through: M. Archambault, Associate Dean of the College of Engineering

Date: January 5, 2018

Subject: Choice of required course for electrical and computer engineering programs

CHM 1101 General Chemistry 1 is currently a required course for the both BS electrical engineering and computer engineering programs. The ECE Department proposes to allow students to take CHM 1101 OR BIO 1010 Biological Discovery 1 (both 4 credits).

The proposed change will better serve students by allowing them to more options in each program based on their interest. Both courses satisfies part of the ABET science requirement.

The proposed change is expected to address the proposed ABET Outcome (5) *An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.*

EE CGR-(1)
The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by supporting documentation, be completed and approved as indicated below. Incomplete or incorrect forms will not be processed.

COLLEGE: COEC
DEPARTMENT: ECE

DEGREE LEVEL: Undergraduate
PROGRAM TITLE: Computer engineering

TO BE INITIATED WITH CATALOG YEAR 20 19 /20
CHANGE REQUESTED FOR □ major program □ minor program 7 0 4 2

Major/Minor Code

Program changes are effective beginning with the fall term in which they appear in the University Catalog.

☐ Yes  ☑ No  Will this change impact the program's assessment process? If yes, attach a description of how the assessment will be impacted and the new process.

DESCRIPTION OF REQUESTED CHANGES: Attach a more detailed description and any supporting documentation.

CHM 1101 General Chemistry 1 is currently a required course for the both BS electrical engineering and computer engineering programs. The ECE Department proposes to allow students to take CHM 1101 OR BIO 1010 Biological Discovery 1 (both 4 credits).

Approvals: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Catalog & Curriculum Manager.

OR

Chair, Graduate Council

Date

Chair, Undergraduate Curriculum Committee

Date

REGISTRAR'S USE ONLY

☐ Yes  ☐ No  Update completed______ Date______ Initials______

CAPP / Degree Evaluation

Academic Year

☐ Yes  ☐ No  Update completed______ Date______ Initials______

Catalog Management System

Academic Year

☐ Yes  ☐ No  Update completed______ Date______ Initials______

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RGR-231-315
The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by supporting documentation, be completed and approved as indicated below. Incomplete or incorrect forms will not be processed.

COLLEGE: COEC  DEPARTMENT: ECE

DEGREE LEVEL: Undergraduate  PROGRAM TITLE: Electrical engineering

TO BE INITIATED WITH CATALOG YEAR: 2019  CHANGE REQUESTED FOR:  □ major program  □ minor program

Program changes are effective beginning with the fall term in which they appear in the University Catalog.

☐ Yes  ☐ No  Will this change impact the program’s assessment process? If yes, attach a description of how the assessment will be impacted and the new process.

DESCRIPTION OF REQUESTED CHANGES: Attach a more detailed description and any supporting documentation.

CHM 1101 General Chemistry 1 is currently a required course for the both BS electrical engineering and computer engineering programs. The ECE Department proposes to allow students to take CHM 1101 OR BIO 1101 Biological Discovery 1 (both 4 credits).

Approvals: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Catalog & Curriculum Manager.

Originator: (signature)  Date: 11/3/18

Chair, Graduate Council: (signature)  Date: 11/3/18

OR

Department Head / Major Program Chair: (signature)  Date: 11/3/18

Chair, Undergraduate Curriculum Committee: (signature)  Date: 11/27/18

REGISTRAR’S USE ONLY

CAPP / Degree Evaluation  Academic Year: 2022  □ Yes  □ No  Update completed: 12/01/22  Initials: AS

Catalog Management System  Academic Year: 2022  □ Yes  □ No  Update completed: 12/01/22  Initials: AS
Memo

To: Undergraduate Curriculum Committee

From: S. Kozaitis, Department Head of Electrical and Computer Engineering

Through: M. Archambault, Associate Dean of the College of Engineering

Date: January 5, 2018

Subject: Change of required course for electrical engineering program

ECE 3331 Electron Devices (3 credits) is currently a required course for the BS electrical engineering program. The ECE Department proposes to replace that course with ECE 4112 Digital Electronics (3 credits). The two courses are related, with ECE 3331 having an emphasis on materials, and ECE 4112 having an emphasis on circuits.

The proposed change will better serve students as ECE 3331 is not a prerequisite to any course, and knowledge of the material in ECE 4112 is more useful in advanced courses.

The proposed change addresses the current ABET Outcome j, Knowledge of Contemporary Issues, and its expected replacement Outcome (2) An ability to apply function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by supporting documentation, be completed and approved as indicated below. Incomplete or incorrect forms will not be processed.

COLLEGE: COEC  DEPARTMENT: ECE

DEGREE LEVEL: Undergraduate  PROGRAM TITLE: Electrical engineering

TO BE INITIATED WITH CATALOG YEAR: 2018/19

CHANGE REQUESTED FOR:  □ major program  □ minor program

Major/Minor Code: 7041

Program changes are effective beginning with the fall term in which they appear in the University Catalog.

☐ Yes  ☐ No  Will this change impact the program's assessment process? If yes, attach a description of how the assessment will be impacted and the new process.

DESCRIPTION OF REQUESTED CHANGES: Attach a more detailed description and any supporting documentation.

ECE 3331 Electron Devices (3 credits) is currently a required course for the BS electrical engineering program. The ECE Department proposes to replace that course with ECE 4112 Digital Electronics (3 credits). The two courses are related, with ECE 3331 having an emphasis on materials, and ECE 4112 having an emphasis on circuits.

Approvals: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Catalog & Curriculum Manager.

Susan Earnest  1/5/18

Chair, Graduate Council  Date

OR

Department Head / Major Program Chair  1/5/18

Date

Chair, Undergraduate Curriculum Committee  Date

DEAN/Associate Dean  1/12/18

Date

REGISTRAR'S USE ONLY

☐ Yes  ☐ No  Update completed Academic Year  Initials

☐ Yes  ☐ No  Update completed Academic Year  Initials

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