An introduction to the School of Electrical and Computer Engineering, ECE program objectives and outcomes, BSEE & BSCmpE degree requirements, and professional development. Restriction: Student must be enrolled in the School of Electrical & Computer Engineering.

**Course Learning Outcomes:**

I. a knowledge of the ECE educational objectives and required outcomes.

II. a knowledge of the BSEE and/or BSCmpE degree requirements.

III. an ability to prepare a satisfactory plan-of-study.

IV. an ability to write effectively in the English language.

V. an appreciation for ethical professional and academic conduct.

Office of the Registrar

Calumet Department Head: [Signature]

Department Chair: [Signature]

Calumet School Dean: [Signature]

Department Chair: [Signature]

Calumet School Dean: [Signature]

Department Chair: [Signature]

School Dean: [Signature]

Department Chair: [Signature]

School Dean: [Signature]

OFFICE OF THE REGISTRAR
To: The Faculty of the College of Engineering  
From: The Faculty of the School of Electrical and Computer Engineering  
RE: Changes to an existing course: ECE 20000 change in number  

The faculty of the School of Electrical and Computer Engineering has approved the following changes. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM: ECE 20000 Electrical and Computer Engineering Sophomore Seminar  
Sem. 1,2. Lecture 1, Credit 0  
Restriction: Student must be enrolled in the School of Electrical & Computer engineering  

An introduction to the School of Electrical and Computer Engineering, ECE program objectives and outcomes, BSEE & BSCmpE degree requirements, and professional development.

TO: ECE 29900 Electrical and Computer Engineering Sophomore Seminar  
Sem. 1,2. Lecture 1, Credit 0  
Restriction: Student must be enrolled in the School of Electrical & Computer engineering  

An introduction to the School of Electrical and Computer Engineering, ECE program objectives and outcomes, BSEE & BSCmpE degree requirements, and professional development.

REASON: The change is requested for consistency in course numbering in a two-course sequence as concurrent changes are made in ECE 40000, proposed to become ECE 39900.

For V. Raghunathan, Head  
School of Electrical and Computer Engineering

Approved for the faculty of the Schools of Engineering by the Engineering Curriculum Committee  
ECO Minutes 15  
Date 3/22/16  
Chairman ECO
REASON: This course is currently the latter part of a two course sequence, which begins with ECE 20000, proposed to become ECE 29900. Recent feedback from ECE 40000 students indicates that most of the content in this course would be of better use to students if it were taken during the junior year rather than the senior year. Advisors and faculty have encouraged students to take the course earlier and the proposed change will further encourage students to do so. The classification restriction is being removed as it is not an effective way to control enrollment. No other changes to the course are being made.

For V. Ragu Balakrishnan, Head
School of Electrical and Computer Engineering
ECE 5-Digit Course Numbering

First Digit: Level
6 – Graduate only courses
5 – Dual level
4 – Senior Level
3 – Junior Level
2 – Sophomore Level
1 – First Year Level

2nd and 3rd Digits: ECE Area
00 – CNSIP
02 – Automatic Control
04 – Fields and Optics
06 – Microelectronics and Nanotechnology
08 – Computer Engineering
10 – Power and Energy Systems
12 – VLSI
14 – BIS

4th and 5th Digits:
Mostly arbitrary – keep in prereq order if possible within ECE area. When updating, use same last two digits, i.e. ECE 30500 → ECE 30605, etc.

Special Cases:
X9595 for all experimental courses.
X99XX for all seminar or similar courses
XXX99 for all professional practice courses
490XX for all Sr. Design courses