

## Engineering Breadth Requirement

Both the BSEE and BSCmpE degrees require a 3 credit course in an engineering field other than electrical and computer engineering. The ECE Curriculum Committee has reviewed the course offerings in the various engineering schools and considers the following courses as appropriate for fulfilling this requirement.

<b>AAE 20300</b>	Aeromechanics I, 3 cr. Pre-requisite: PHYS 17200 Concurrent Pre-requisite: MA 26100
<b>CHE 20500</b>	Chemical Engineering Calculations, 3 cr. Pre-requisites: ENGR 19500 Trans Ideas to Innov II, PHYS 17200, MA 16500 (or MA 16100) Concurrent Pre-requisite: CHM 11600 (or CHM 12400)
<b>CE 29700</b>	Basic Mechanics I (Statics), 3 cr. Pre-requisite: PHYS 17200 Concurrent Pre-requisite: MA 26100
<b>CE 35300</b>	Physico-Chemical Principles of Environmental Eng., 3 cr. Pre-requisite: completion of freshman engineering requirements
<b>CE 35500</b>	Engineering Environmental Sustainability Pre-requisite: Sophomore Standing
<b>EEE 35500</b>	Engineering Environmental Sustainability Pre-requisite: Sophomore Standing
<b>IE 33500</b>	Operations Research - Optimization, 3 cr. Pre-requisite: MA 26500 Concurrent Pre-requisite: IE 33200 (C programming skills and ECE 30200 will suffice)
<b>IE 33600</b>	Operations Research - Stochastic Models, 3 cr. Pre-requisites: MA 26500, IE 23000 (C programming skills and ECE 30200 will suffice) Concurrent Pre-requisite: MA 26600 (or MA 26200)
<b>MSE 23000</b>	Structure and Properties of Materials, 3 cr. Pre-requisites: MA 16500 (or MA 16100), CHM 11500
<b>ME 20000</b>	Thermodynamics, 3 cr. Pre-requisite: CHM 11500 (or CHM 12300) Concurrent Pre-requisite: MA 26100
<b>ME 27000</b>	Basic Mechanics I, 3 cr. Pre-requisite: PHYS 17200 Concurrent Pre-requisite: MA 26100
<b>ME 41300</b>	Noise Control, 3 cr. Pre-requisites: MA 26600, PHYS 17200
<b>NUCL 20000</b>	Introduction to Nuclear Engineering I, 3 cr. Pre-requisites: PHYS 17200, MA 16600 (or MA 16200)