

# Electrical Engineering Major Requirements Guide

The requirements for the EE major are changing significantly in 2009-2010. Students entering the EE major in 2007-2008 and 2008-2009 may choose either the old requirements or the new requirements. This guide will help you choose the best option. Most students who have completed two or three years of foreign language in high school will have fewer credits to complete with the 2009-2010 requirements.

## EE Major Requirements Differences in 2007 to 2009

Requirements	2007-2008	2008-2009	2009-2010
<b>Eligibility</b> (Apply for major in sophomore year)	Students accepted into the EE major in 2007-2008 or earlier. (Most Juniors and Seniors in 2008-2009.)	Students accepted into the EE major in 2008-2009 or earlier. (Most Sophomores, Juniors and Seniors in 2008-2009.)	Students accepted into the EE major in 2009-2010 or earlier. (Most Freshmen, Sophomores and Juniors in 2008-2009.) Students must graduate in 2009-2010 or later.
<b>Mathematics</b>	MAT 1225, 1226, 1228, 2228, 2401 (21 credits)	MAT 1234, 1235, 1236, 3237, 3228, 2401 (24 credits) Optionally may take old math with additional 3 credits of technical electives.	MAT 1234, 1235, 1236, 3237, 3228, 2401 (24 credits) Optionally may take old math with additional 3 credits of technical electives.
<b>Biology</b>	BIO 2000-level or above (5 credits)	BIO 2000-level or above (5 credits)	University Biology requirement – BIO 1100 is acceptable (5 credits)
<b>Chemistry</b>	CHM 1100 or High School Chemistry (0-5 credits)	CHM 1100 or High School Chemistry (0-5 credits)	Pass Chemistry Placement Exam or CHM 1100 (0-5 credits)
<b>University Foreign Language Requirement</b>	Exempt	Exempt	Non-exempt. (0-15 credits depending on high school classes)
<b>Control Systems</b>	EE 4450 (5 credits)	EE 4450 (5 credits)	None.
<b>Electricity and Magnetism</b>	EE 4310 (5 credits)	EE 4310 (5 credits)	EE (Number <i>TBD</i> ) (3 credits)
<b>Technical Electives</b>	17 credits	14 credits (17 if taking old math)	12 credits (15 if taking old math)
<b>Unchanged EE requirements</b>	92 credits	92 credits	92 credits
<b>Total credits</b>	<b>145-150 credits</b>	<b>145-150 credits</b>	<b>135-155 credits</b>