

### Electrical Engineering (EE) Program of Study

		Fall Semester			Spring Semester		
		Course	Course Title	Hrs.	Course	Course Title	Hrs.
<b>Freshman</b>		CH 115/116	General Chemistry I/Lab	4	EE 210	Digital Logic	3
		EH 101	English Composition I	3	EGR 111	Introduction to Engineering II	1
		EGR 110	Introduction to Engineering I	1	EH 102	English Composition II	3
		MA 125	Calculus I	4	MA 126	Calculus II	4
		ME 102	Engineering Graphics	2	PH 221/L	General Physics I/Lab	4
					EGR 150	Computer Methods for Engineers	3
		<b>Total Credits: 14</b>			<b>Total Credits: 16</b>		
<b>Sophomore</b>		EE 314	Electrical Circuits	3	EE 223	Engineering Programming Methods	3
		EGR 265**	Mathematical Tools for EGR Problem Solving **	4	EE 316	Electrical Networks	4
		CE 210	Statics	3	EE 254	Applied Numerical Methods	3
		PH 222/L	General Physics II and Lab	4	ME 251	Introduction to Thermal Sciences	2
		HFA	Area II Core Curriculum	3	HFA	Area II Core Curriculum <sup>1</sup>	3
		<b>Total Credits: 17</b>			<b>Total Credits: 15</b>		
<b>Junior</b>		EE 300	Engineering Problem Solving	3	EE 318	Methods of System Analysis	3
		EE 333	Engineering Programming w/ Objects	3	EE 337	Microprocessors	4
		EE 351	Electronics	4	EE 361	Machinery I	4
		EE 485	Engineering Operations	3	EE 341	Electromagnetics	3
		HFA	Core Curriculum Area II	3	SBS	Core Curriculum Area IV	3
		<b>Total Credits: 16</b>			<b>Total Credits: 17</b>		
<b>Senior</b>		EE 426	Control Systems	3	EE 421	Communication Systems	3
		EE 4XX	EE Depth Course from Approved List	3	EE 431	Analog Integrated Electronics	4
		EE 4XX	EE Depth Course from Approved List	3	EE 497 or 499	Senior Design Team Project	3
		EE 4XX	EE Depth Course from Approved List	3	EE 4XX	EE Depth Course from Approved List	3
		SBS	Core Curriculum Area IV	3	SBS	Core Curriculum Area IV	3
		<b>Total Credits: 15</b>			<b>Total Credits: 16</b>		

HFA Humanities and Fine Arts Courses (AGSC Area II) from approved list (Core Curriculum for the School of Engineering)  
SBS Social and Behavioral Science Courses (AGSC Area IV) from approved list (Core Curriculum for the School of Engineering)  
\*\* Curriculum change in 2008: Students can substitute MA 227 and MA 252 for EGR 265 and EE 254