

# Wilkes University

## Electrical Engineering Curriculum College Algebra Track

First Semester		Credits	Second Semester		Credits
EGR 180	CADD Lab	1	EGR 140	Scientific Programming	3
ENG 101	English Composition	4	EGR 201	Professionalism and Ethics	1
FYF 101	First-Year Foundations	3	<i>CHM 118</i>	<i>Chemistry for Engineers</i>	3
<i>MTH 094</i>	<i>College Algebra</i>	3	<i>CHM 117</i>	<i>Chemistry Lab for Engineers</i>	1
<i>General Education</i>		3	<i>MTH 100</i>	<i>Precalculus</i>	3
<b>Total Credits 14</b>			General Education		3
			General Education		3
			<b>Total Credits 17</b>		
<b>Summer - Total Credits 11</b> <i>MTH 111 - Calculus 1 (4)</i> PHY 201 - General Physics I (3) PHY 204 - General Physics I Lab (1) EE 216 - Circuit Analysis I (3)					
Third Semester		Credits	Fourth Semester		Credits
<i>MTH 112</i>	<i>Calculus II</i>	4	<i>MTH 211</i>	<i>Intro to Differential Equations</i>	4
PHY 202	General Physics II	3	EE 251	Electronics I	3
PHY 205	General Physics II Lab	1	EGR 222	Mechatronics	3
EE 217	Circuit Analysis II	3	EE 241	Digital Design	4
EE 283	Electrical Circuits Lab	1	General Education		3
EGR 231	Statics	3	<b>Total Credits 17</b>		
<b>Total Credits 15</b>					
Fifth Semester		Credits	Sixth Semester		Credits
<i>MTH 212</i>	<i>Multivariable Calculus</i>	4	Co-op or Engineering Elective*		3
EE 252	Electronics II	4	EGR 320	Engineering Project Analysis	3
EE 271	Semiconductor Devices	4	EGR 214	Linear Systems	3
EE 381	Microfabrication	3	Math/Science Elective**		3
Engineering Elective*		3	General Education		3
<b>Total Credits 18</b>			<b>Total Credits 15</b>		
Seventh Semester		Credits	Eighth Semester		Credits
EE 314	Control Systems	3	EE 339	Electromagnetics II	4
EE 325	Energy Conversion Devices	3	EE 382	Modern Communications Systems	4
EE 337	Electromagnetics	3	EGR 392	Senior Projects II	2
EGR 391	Senior Projects I	1	Engineering Elective*		3
General Education		3	Free Elective**		3
<b>Total Credits 13</b>			<b>Total Credits 16</b>		
<b>TOTAL CURRICULUM CREDITS 136</b>					

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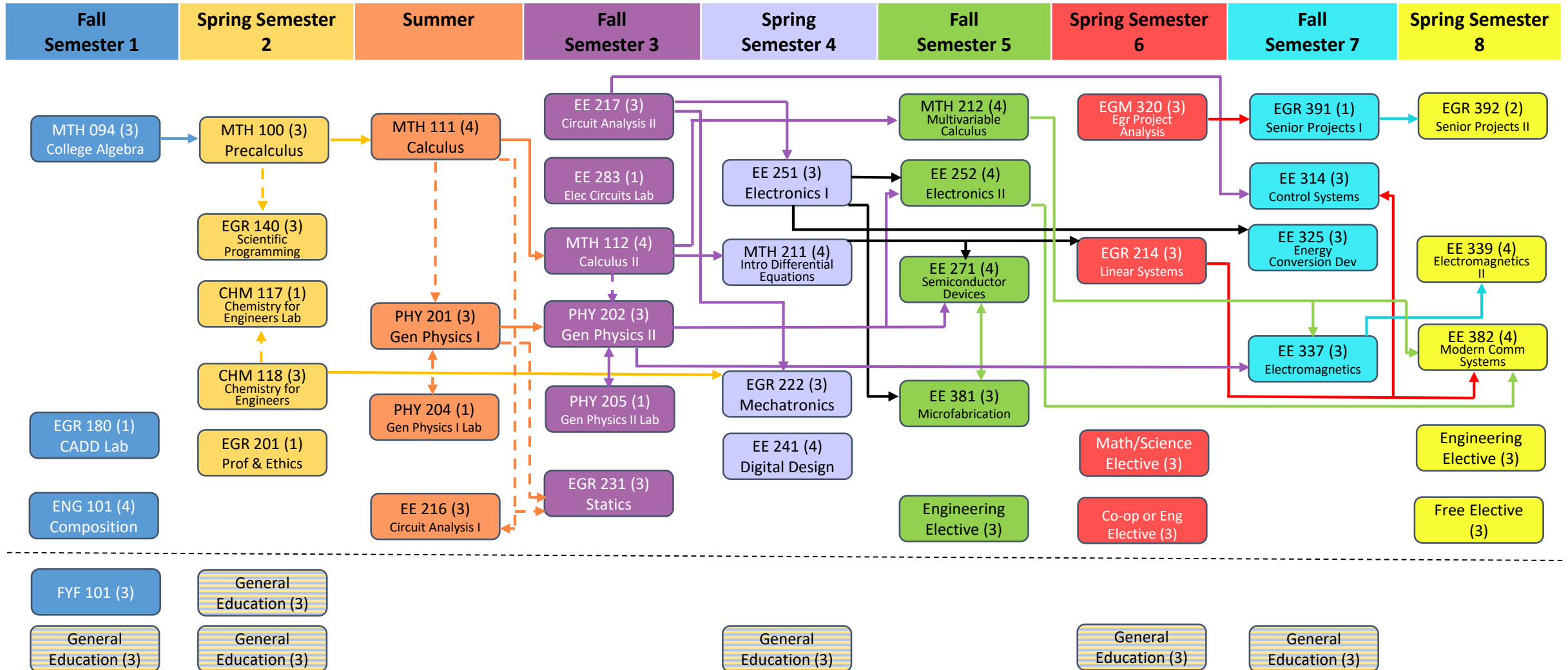
\*Engineering Elective at 200 level or above. \*\*Math/Science Elective from approved list. \*\*\*Free Elective any course 101 level or above.

*Italicized courses are out of sequence from the standard BSEE schedule.*

*This chart is for illustration purposes only. See Undergraduate Bulletin for specific requirements.*

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## Electrical Engineering College Algebra Track Curriculum Flowchart



**Some pre-requisite lines shown may be listed as concurrent or as co-requisite in the Bulletin. Please be sure to confirm with your advisor and the latest Bulletin.**

The requisites of a course's requisite are requisites of the course. Solid lines indicate prerequisite and dashed lines corequisites.

Credit hours are listed in parentheses following each course number.

**CHART IS FOR ILLUSTRATION PURPOSES ONLY: SEE UNDERGRADUATE BULLETIN FOR PRE-REQUISITES/CONCURRENT REQUIREMENTS.**