

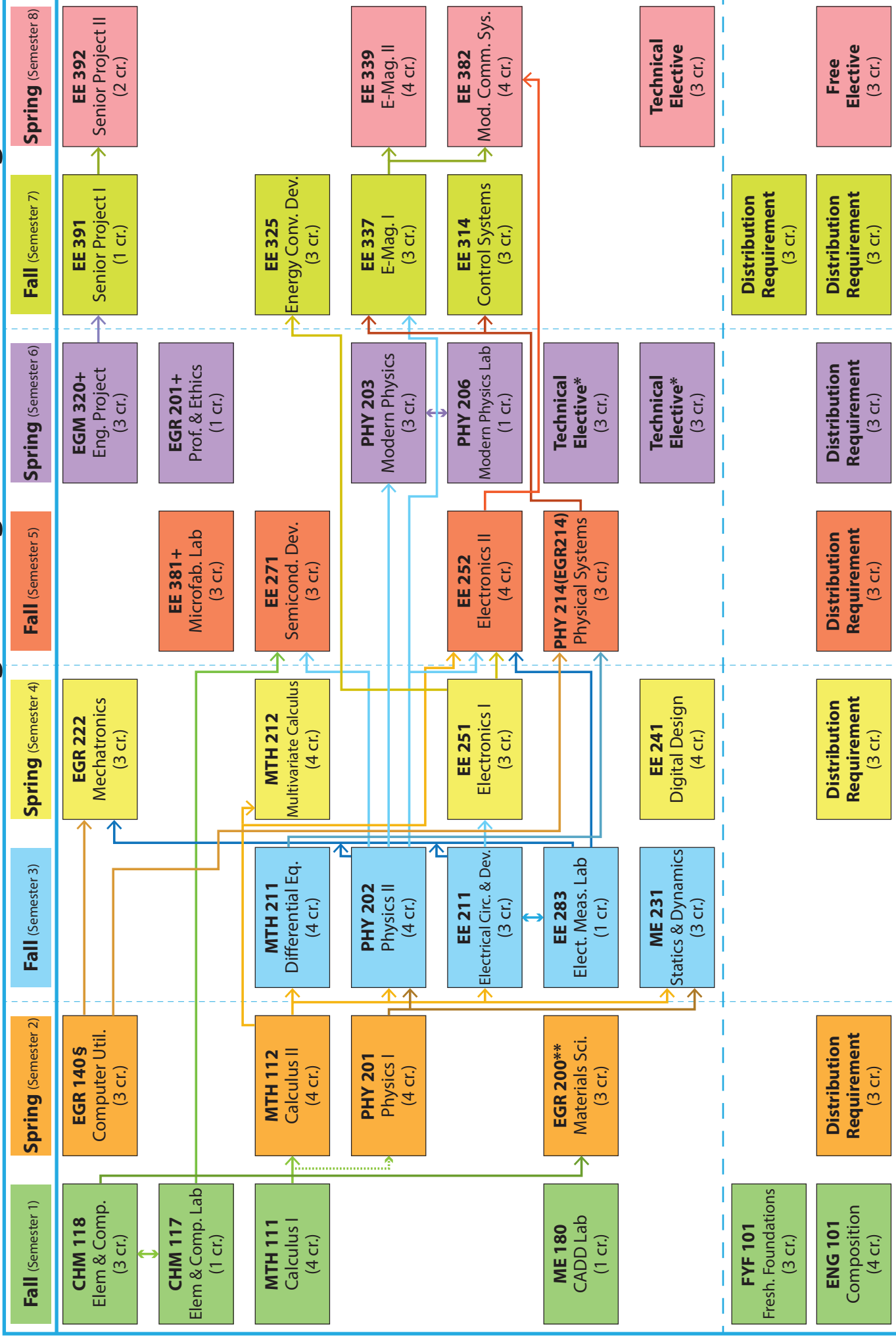


Electrical Engineering Curriculum

<i>First Semester</i>		<i>Credits</i>	<i>Second Semester</i>		<i>Credits</i>
MTH 111	Calculus I	4	MTH 112	Calculus II	4
CHM 118	Chemistry for Engineers	3	PHY 201	General Physics I	4
CHM 117	Chemistry for Engineers Lab	1	EGR 140	Scientific Programming	3
ME 180	CADD Lab	1	EGR 200	Introduction to Materials Science	3
ENG 101	English Composition	4		General Education	3
FYF 101	First Year Foundations	3			
Total Credits		16	Total Credits		17
<i>Third Semester</i>		<i>Credits</i>	<i>Fourth Semester</i>		<i>Credits</i>
MTH 211	Introduction to Differential Equations	4	MTH 212	Multi-variable Calculus	4
PHY 202	General Physics II	4	EE 251	Electronics I	3
EE 211	Electrical Circuits and Devices	3	EGR 222	Mechatronics	3
EE 283	Electrical Measurements Lab	1	EE 241	Digital Design	4
ME 231	Statics	3		General Education	3
Total Credits		15	Total Credits		17
<i>Fifth Semester</i>		<i>Credits</i>	<i>Sixth Semester</i>		<i>Credits</i>
EE 252	Electronics II	4	EGR 399	Coop Education or Technical Electives	6
EE 271	Semiconductor Devices	3	EGR 201	Professionalism and Ethics	1
EE 381	Microfabrication	3	EGM 320	Engineering Project Analysis	3
PHY 214	Modeling of Physical Systems	3	PHY 203	Modern Physics	3
	General Education	3	PHY 206	Modern Physics Lab	1
				General Education	3
Total Credits		16	Total Credits		17
<i>Seventh Semester</i>		<i>Credits</i>	<i>Eighth Semester</i>		<i>Credits</i>
EE 314	Control Systems	3	EE 339	Calculus II	4
EE 337	Electromagnetics I	3	EE 382	General Physics I	4
EE 391	Senior Project 1	1	EE 392	Scientific Programming	2
EE 325	Energy Conversion Devices	3		Technical Elective	3
	General Education	6		Free Elective	3
Total Credits		16	Total Credits		16

This table is for illustration purposes only. Please refer to the Wilkes University Undergraduate Bulletin for specific requirements.

Curriculum Flowchart: Electrical Engineering (130 Credit Hour Program)



Technical Electives may be selected from advisor-approved science, math, or engineering courses numbered 200 or above.

* An engineering co-op may be substituted for six credits of technical electives during the sixth semester & requires junior standing.

** EGR 200 may be substituted with Biogeochemistry (EES 202). § EGR 140 has a pre-requisite of MTH 100 and a co-requisite of MTH 111.

+ Course requires Junior Standing in Electrical Engineering (all required freshman & sophomore EE courses on this chart and ENG 101 must be completed).

CHART IS FOR ILLUSTRATION PURPOSES ONLY; SEE UNDERGRADUATE BULLETIN FOR PRE- AND CO- REQUIREMENTS.