

Wilkes University

Mechanical/Electrical Engineering Double-Major Curriculum

First Semester			Credits	Second Semester			Credits
CHM 117	Chemistry Lab for Engineers		1	EE 216	Circuit Analysis I		3
CHM 118	Chemistry for Engineers		3	EGR 200	Materials Science		3
EGR 180	CADD Lab		1	EGR 201	Professionalism and Ethics		1
ENG 101	Composition		4	EGR 231	Statics		3
FYF 101	First-Year Foundations		3	MTH 112	Calculus II		4
ME 175	Machining		1	PHY 201	General Physics I		3
MTH 111	Calculus I		4	PHY 204	General Physics I Lab		1
Total Credits			17	Total Credits			18
Third Semester			Credits	Fourth Semester			Credits
EE 216	Circuit Analysis I		3	ME 326	Heat Transfer Lab		1
EE 217	Circuit Analysis II		3	ME 335	Finite Element Methods		4
EE 218	Electromagnetic Fields		3		General Education		3
EE 219	Electromagnetic Fields		3	Total Credits			17
EE 220	Electromagnetic Fields		3	Ninth Semester			Credits
EE 221	Electromagnetic Fields		3	EE 325	Energy Conversion Devices		3
EE 222	Electromagnetic Fields		3	EGR 391	Senior Projects I		1
EE 223	Electromagnetic Fields		3	ME 317	Robotics		3
EE 224	Electromagnetic Fields		3	ME 384	Mechanical Design Lab		3
EE 225	Electromagnetic Fields		3		General Education		3
EE 226	Electromagnetic Fields		3	Total Credits			13
EE 227	Electromagnetic Fields		3	TOTAL CURRICULUM CREDITS			159

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**Math/Science Elective from approved list.*

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