

Wilkes University

Engineering Management Curriculum

First Semester		Credits	Second Semester		Credits
EGR 180	CADD Lab	1	EGR 140	Scientific Programming	3
CHM 118	Chemistry for Engineers	3	EGR 200	Materials Science	3
CHM 117	Chemistry Lab for Engineers	1	MTH 112	Calculus II	4
MTH 111	Calculus I	4	PHY 201	General Physics I	3
ENG 101	Composition	4	PHY 204	General Physics I Lab	1
FYF 101	First-Year Foundations	3	EC 102	Principles of Economics II	3
Total Credits 16			Total Credits 17		
Third Semester		Credits	Fourth Semester		Credits
MTH 211	Differential Equations	4	EGR 222	Mechatronics	3
PHY 202	General Physics II	3	ME 232	Strength of Materials	3
PHY 205	General Physics II Lab	1	EGM 320	Engineering Project Management	3
EE 211	Electrical Circuits and Devices	3	MTH 150	Elementary Statistics	3
EE 283	Electrical Engineering Lab	1	BA 335	Law and Business	3
ME 231	Statics	3	ME 175	Machining	1
General Education		3	Total Credits 16		
Total Credits 18			Total Credits 16		
Fifth Semester		Credits	Sixth Semester		Credits
ME 333	Machine Design	3		Co-op or Technical Elective	6/3
BA 153	Management Foundations	3	EGR 201	Professionalism and Ethics	1
ME 215	Manufacturing Processes	3	ME 322	Thermodynamics	3
FIN 240	Introduction to Finance	3	EGM 321	Quantitative Analysis	3
ACC 161	Financial Accounting and Decision-Making	3	MGT 251	Management of Organizations and People	3
General Education		3	General Education		3
Total Credits 18			Total Credits 16		
Seventh Semester		Credits	Eighth Semester		Credits
EGR 391	Senior Projects I	1	EGR 392	Senior Projects II	3
EGM 336	Engineering and Mgt. Models	3	EGM 310	Project Decision Processes	2
EGM 325	Project Analysis	3	EGM 322	Operations Analysis	3
EGM 315	Quality Management	3		Technical Elective	3
EGR 202	Eng. Professional Development I	1	EGR 203	Eng. Professional Development II	3
General Education		3	General Education		3
Total Credits 14			Total Credits 15		
TOTAL CURRICULUM CREDITS 130					

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