

Wilkes University

DEPARTMENT OF MECHANICAL & ELECTRICAL ENGINEERING

Approved list of Math and Science Electives for Mechanical Engineering and Electrical Engineering Majors

Course Number	Course Name	Credits
BIO 113	Microbiology	4
BIO 115	Anatomy & Physiology I	4
BIO 116	Anatomy & Physiology II	4
BIO 121	Principles of Modern Biology I	4
BIO 122	Principles of Modern Biology II	4
CHM 256	Polymer Chemistry	3
EES 210	Global Climate Change	3
EES 230	Ocean Science	4
EES 240	Principles of Environmental Engineering & Science	3
EES 242	Environmental Health	3
EES 251	Synoptic Meteorology	4
ENV 240	Introduction to Environmental Systems and Sustainability	3
GEO 101	Introduction to Geology	3
GEO 206	Solid Earth Energy and Mineral Resources	3
MTH 214	Linear Algebra	3
MTH 231	Discrete Mathematics	3
MTH 314	Complex Analysis	3
MTH 351	Probability and Mathematical Statistics I	3
MTH 361	Partial Differential Equations	3
PHY 203	Modern Physics	3
PHY 312	Analytical Mechanics	3

- Consult the Wilkes University Undergraduate Bulletin for course descriptions.
- 198 and 298 level courses will be evaluated on a case by case basis

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Math and Science courses not approved

Course Number	Course Name	Credits
BIO 105	The Biological World	3
CHM 115	Elements and Compounds	3
CHM 116	The Chemical Reaction	3
EES 105	Planet Earth	3
EES 261	Regional Geography	3
EGY 105	Introduction to Energy	3
ENV 201	Probability and Statistics for Engineers	3
MTH 094	College Algebra	3
MTH 100	Pre-calculus	3
MTH 150	Elementary Statistics	3
MTH 234	Financial Mathematics	3
PHY 105	Concepts in Physics	3
PHY 171	Principles of Classical and Modern Physics	3
SUS 401	Introduction to Sustainability	3