

Bachelor of Science - Electrical Engineering

Advising check sheet - 2023-2024 Wilkes University Bulletin

Course	Cr.	Course Name	Term	Grade
ENG 101	4	English Composition		
FYF 101	3	First Year Foundations		

Area I - The Humanities (9 Cr.) [3 courses]

Course	Cr.	Course Name	Term	Grade
ENG 120	3	English		
HST 101	3	History		
any single 100 level PHL	3	Philosophy		
Foreign Lang	3			

Area II - The Scientific World (6) Satisfied by major

Area III - The Social Sciences (6 Cr.) [2 courses]

Course	Cr.	Course Name	Term	Grade
ANT 101	3	Anthropology		
EC 102	3	Economics		
PS 111	3	Political Science		
PSY 101	3	Psychology		
SOC 101	3	Sociology		

Area IV - The Visual and Performing Arts (3 Cr.) [1 course]

Course	Cr.	Course Name	Term	Grade
ART 101 / 140/141/241 or IM 101	3	Art		
DAN 100	3	Dance		
MUS 101	3	Music		
THE 100	3	Theater		
General Education Requirements			25 Cr.	

Skill Requirements

Computer Literacy

CS115/higher Or 2 CI Courses {Don't need to take}	Satisfied by EGR 222 & EGR 140 Computer Intensive courses
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Oral Communication

COM 101 or 2 OPO Courses {Don't need to take}	Satisfied by EGR 391 & EGR 392 Senior Design courses
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Quantitative Reasoning

MTH 101 or higher	Satisfied by MTH 111
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Freshman	Sophomore	Junior	Senior
Gen. Ed. (25) & Free Elective Req. (2)			27 Credits
Science and Math Requirements			32 Credits
Technical Electives			9 Credits
Engineering Topics Courses			62 Credits

Total 130 Credits

Student:

WIN:

Advisor:

Course	Cr.	Course Name	Term	Grade
EGR 180	1	CADD Lab		
CHM 118	3	Chemistry for Engineers		
CHM 117	1	Chemistry for Eng. Lab		
MTH 111	4	Calculus I		
EGR 140	3	Scientific Programming		
EE 216	3	Circuit Analysis I		
MTH 112	4	Calculus II		
PHY 201	3	Physics I		
PHY 204	1	Physics I Lab		
MTH 211	4	Intro to Differential Eqns.		
PHY 202	3	Physics II		
PHY 205	1	Physics II Lab		
EE 217	3	Circuit Analysis II		
EE 285	1	Electrical Circuits Lab		
ME 231	3	Statics		
EGR 222	3	Mechatronics		
EE 251	3	Electronics I		
EE 241	4	Digital Design		
MTH 212	4	Multivariable Calculus		
EE 252	4	Electronics II		
EE 271	4	Semiconductor Devices		
EE 381	3	Microfabrication Lab		
EGR 201	1	Ethics		
EGM 320	3	Eng. Project Management		
EGR 214	3	Linear Systems		
Tech. Elec.	3	or co-op		
Tech. Elec.	3	or co-op		
PHY 203	3	Modern Physics		
PHY 206	1	Modern Physics Lab		
EGR 391	1	Senior Projects I		
EE 314	3	Control Systems		
EE 325	3	Energy Conv. Devices		
EE 337	3	Electromagnetics I		
EGR 392	2	Senior Projects II		
EE 339	3	Electromagnetics II		
EE 382	4	Modern Com. Systems		
Tech. Elec.	3			
Free Elec.	2			
Major Field Average –			62 Credits	
Cumulative GPA –			Total 130 Credits	

Notes: