

## Bachelor of Science - Mechanical 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.(3)			28 Credits
Science and Math Requirements			31 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		
EGR 200	3	Materials Science		
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 211	3	Electrical Circuits & Dev.		
EE 283	1	Elec. Engineering Lab		
ME 231	3	Statics		
EGR 222	3	Mechatronics		
ME 232	3	Strength of Materials		
ME 234	3	Dynamics		
ME 322	3	Thermodynamics		
MTH 212	4	Multivariable Calculus		
ME 175	1	Machining		
ME 321	3	Fluid Mechanics		
ME 333	3	Machine Design		
ME 215	3	Manufacturing Processes		
ME 335	4	Finite Element Methods		
EGR 201	1	Ethics		
EGM 320	3	Eng. Project Management		
ME 332	3	Vibrations		
ME 330	1	Vibrations Lab		
ME 323	1	Fluid Mechanics Lab		
ME 324	3	Heat Transfer		
ME 317	3	Robotics		
ME 326	1	Heat Transfer Lab		
ME 384	3	Mechanical Design Lab		
EGR 391	1	Senior Projects I		
ME Elec.	3	or co-op		
ME Elec.	3	or co-op		
Tech. Elec.	3			
Sci. Elec.	3			
EGR 392	2	Senior Projects II		
Free Elec.	3			
<b>Major Field Average –</b>			<b>62 Credits</b>	
<b>Cumulative GPA –</b>			<b>Total 130 Credits</b>	

Notes: