Mechanical Engineering Department Two-Year Course Rotation
(Fall 2022 – Summer 2024) Statesboro Campus

Course Prefix	Course Number	Course Name	Fall 22	Spring 23	Summer 23	Fall 23	Spring 24	Summer 24
ENGR Courses								
ENGR	1133	Engineering Graphics	✓	✓		✓	✓	
ENGR	2112	Solid Modeling	✓	✓	✓*	✓	✓	✓*
ENGR	2131	Electronics and Circuits and Analysis	✓	✓	✓	✓	✓	✓
ENGR	2231	Engineering Mechanics	✓	✓	✓	✓	✓	✓
ENGR	2232	Dynamics	✓	✓	✓	✓	✓	✓
ENGR	3233	Mechanics of Materials	✓	✓	✓	✓	✓	✓
ENGR	3235	Fluid Mechanics	✓	✓	✓	✓	✓	✓
ENGR	3431	Thermodynamics	✓	✓	✓	✓	✓	✓
MENG Courses								
MENG	1310	Intro Manufacturing Processing	✓	✓		✓	✓	
MENG	2110	Mechanical Engr Case Studies	✓	✓	✓	✓	✓	✓
MENG	2139	Numerical Methods	✓	✓	✓	✓	✓	✓
MENG	3130	Mechanism Design	✓	✓	✓	✓	✓	✓
MENG	3135	Machine Design	✓	✓	✓	✓	✓	✓
MENG	3233	Heat Transfer	✓	✓	✓	✓	✓	✓
MENG	3331	Material Science	✓	✓	✓	✓	✓	✓
MENG	3333	Material Processing Studio	✓	✓	✓	✓	✓	✓
MENG	3521	Intro to Mechatronics Studio	✓	✓	✓	✓	✓	✓
MENG	4210	Energy Science Lab	✓	✓	✓	✓	✓	✓
MENG	4430	Engineering Project Management	✓	✓	✓	✓	✓	✓
MENG	4612	Mechanical Engr Senior Seminar	✓	✓		✓	✓	
MENG	5136	Intro to FEA	✓	✓	✓	✓	✓	✓
MENG	5137	Mechanical System Design	✓	✓	✓	✓	✓	✓
Elective Courses*								
MENG	5134	Vehicle Dynamics	✓			✓		
MENG	5135	Vibration and Preventive Maintenance		✓			✓	
MENG	5138	Composite Materials	✓	✓*	✓	✓*	✓	✓*
MENG	5139	Renewable Energy	✓				✓	
MENG	5231	Tribology and Reliability		✓			✓	
MENG	5233	Wind Energy	✓			✓		
MENG	5234	Heating Ventilation and Air Conditioning		✓			✓	
MENG	5237	Applied Combustion	✓			✓		
MENG	5238	Engine Development and Performance						
MENG	5239	Biofuels Development and Testing		✓			✓	
MENG	5333	Robotic Dynamics, Design and Analysis		✓			✓	
MENG	5335	Applied Programmable Logic Controllers	✓	✓*	✓	✓*	✓	✓*
MENG	5431	Compressible Flow		✓*			✓*	
MENG	5432	Applied Computational Fluid Dynamics			✓*			✓*
MENG	5433	Analysis of Energy Systems	✓			✓		
MENG	5434	Heat Transfer Principles and Applications		✓			✓	

Mechanical Engineering Department Two-Year Course Rotation (Fall 2022 – Summer 2024) Statesboro Campus

Course Prefix	Course Number	Course Name	Fall 22	Spring 23	Summer 23	Fall 23	Spring 24	Summer 24
MENG	5531	Metal Casting		✓			✓	
MENG	5531	Nanomaterials, Nanocomposites and Nanotechnology		✓			✓	
MENG	5533	Applied Welding and Joining	✓			✓		
MENG	5536	Mechanical Controls		✓		✓		
		Robotic Dynamics and Design		✓		✓		
MENG	5811	Intro to Mechanical Engr Research and Projects	✓	✓		✓	✓	
MENG	5822	Research Projects in MechE	✓	✓		✓	✓	
MENG	5090	Select Topics	✓*	✓*	✓*	✓*	✓*	✓*

Mechanical Engineering Department Two-Year Course Rotation (Fall 2022 – Summer 2024) Armstrong Campus

Course Prefix	Course Number	Course Name	Fall 22	Spring 23	Summer 23	Fall 23	Spring 24	Summer 24
ENGR Courses								
ENGR	1133	Engineering Graphics	✓	✓*		✓	✓*	
ENGR	2112	Solid Modeling		✓		✓	✓	
ENGR	2131	Electronics and Circuits and Analysis		✓			✓	
ENGR	2231	Engineering Mechanics	✓			✓		
ENGR	2232	Dynamics		✓			✓	
ENGR	3233	Mechanics of Materials		✓			✓	
ENGR	3235	Fluid Mechanics				✓		
ENGR	3431	Thermodynamics				✓		
MENG Courses								
MENG	1310	Intro Manufacturing Processing	✓	✓*		✓	✓*	
MENG	2110	Mechanical Engr Case Studies		✓			✓	
MENG	2139	Numerical Methods		✓			✓	
MENG	3130	Mechanism Design					✓	
MENG	3135	Machine Design				✓		
MENG	3233	Heat Transfer					✓	
MENG	3331	Material Science				✓		
MENG	3333	Material Processing Studio					✓	
MENG	3521	Intro to Mechatronics Studio					✓	

* Elective and Summer course offerings are highly dependent on student interests/enrollment and faculty availability.

"A", "B", and "L" represent Summer Term A, Summer Term B, and Summer Long Term, respectively.

"O" represents online offerings.