MECHANICAL ENGINEERING (BS)

Degree Requirements

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Code	Title	Hours		
General Education Requirements 54				
Major Requiremen	its			
Engineering Course	e Requirements			
Complete the follo	owing:			
EG 101	Intro to Engineering & Design (or EG 201 for LINK students)	2		
EG 220	Electrical Circuits	3		
EG 231	Intro to Ethics and Economics	3		
EG 270	Engineering Thermodynamics	3		
EG 283	Statics	3		
EG 284	Dynamics	3		
EG 315	Mechanics of Materials	3		
EG 360	Fluid Mechanics	3		
Mechanical Engine	ering Course Requirements			
ME 135	Engr Graphics and Comm (Only two attempts are permitted to earn grade C or better. Failure to me this requirement will result in dismissal from the program.)	e 3 et		
ME 228	Computational Engineering	3		
ME 312	Mech Engr Thermodynamics	3		
ME 314	Machine Component Design	3		
ME 316	Instrumentatn & Exp Method	3		
ME 317	Heat Transfer	3		
ME 326	Materials Science	3		
ME 328	Numerical Methods	3-4		
ME 336	Material Science Lab-W	1		
ME 410	Principles of Eng Design-W	3		
ME 426	Dynamic Systems and Control	3		
ME 429	Controls & Instr. Lab	1		
ME 472	Vibration Analysis-Synthesis	3		
ME 414	Capstone Design	1		
ME 416	Capstone Design Project	2		
Science Elective				
Select one of the	following (no Lab required):	3		
BLY 121	General Biology I			
CH 132	General Chemistry II			
GY 111	Physical Geology			
MA 316	Linear Algebra II			
MA 354	Comp Assist Math Modeling - W			
MA 437	Complex Variables			
ST 315	Applied Probability-Statistics			
PH 303	Modern Physics (Lab required)			

Mechanical Elective

One course from ME or AE/BME 400 level Elective courses (excluding 3 required courses but ME 490 or ME 494 may be taken only if approved by Chair)

MA 125

Calculus I

ME Technical Elective			
Select six hours from the following: 6			
BLY 122	General Biology II		
CH 201	Organic Chemistry I		
CH 202	Organic Chemistry II		
GY 305	Geophysics (lab required)		
GY 310	Environmental Earth Science		
MA 316	Linear Algebra II		
MA 332	Differential Equations II		
MA 334	Advanced Calculus I		
MA 335	Advanced Calculus II		
MA 354	Comp Assist Math Modeling - W		
MA 436	Numerical Analysis		
MA 437	Complex Variables		
ST 315	Applied Probability-Statistics		
ST 320	Applied Stat Analysis		
PH 303	Modern Physics (Lab required)		
ME 490 or ME	494 only if approved by Chair		
FE Exam			
All students mus	st attempt the NCEES FE (Fundamentals of		
Engineering) exa	mination.		
Minor Requireme	ents		
A minor is not re	quired for this degree program	0	
Total Hours	127·	·128	
o 151	i p i i		
General Educ	ation Requirements		
Code	Title H	ours	
Code Area I – Written	Title H Composition	ours	
Code Area I – Written Complete the fol	Title H Composition	ours	
Code Area I – Written Complete the fol EH 101	TitleHCompositionlowing:English Composition I (Students who earn an English ACT score of 27, or a written SAT score of	ours 3	
Code Area I – Written Complete the fol EH 101	Title H Composition lowing: English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.)	ours 3	
Code Area I – Written Complete the fol EH 101 EH 102	Title H Composition Identify lowing: English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.) English Composition II Identify	ours 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105	Title H Composition I Iowing: Iowing: English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.) English Composition II Honors Composition - H	ours 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human	Title H Composition Iowing: Iowing: English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.) English Composition II Honors Composition - H ities & Fine Arts	ours 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110	Title H Composition I Iowing: Iowing: English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.) Iowing: English Composition II Iowing: Honors Composition - H Iowing: Public Speaking Iowing:	ours 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of	Title H Composition I Iowing: I English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.) I English Composition II I Honors Composition - H I ities & Fine Arts Public Speaking the following: I	ours 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215	TitleHCompositionIIowing:English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.)English Composition II Honors Composition - HIities & Fine ArtsPublic SpeakingPublic SpeakingIBrit Lit before 1785I	ours 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216	Title H Composition I Iowing: I English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.) I English Composition I (Students who earn an English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2	ours 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225	Title H Composition H Iowing: Figlish Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.) English Composition II Honors Composition II Honors Composition - H H ities & Fine Arts Public Speaking Public Speaking H Brit Lit before 1785 H Brit Lit after 1785 Am Lit before 1865	ours 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225 EH 226	Title H Composition H Composition I English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.) English Composition II Honors Composition II Honors Composition II Honors Composition II Honors Composition II Honors Composition II Brit Se Fine Arts H Public Speaking H Hollowing: H Brit Lit before 1785 H Brit Lit after 1785 Am Lit after 1865	ours 3 3 3 3	
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Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of 1 EH 215 EH 216 EH 225 EH 226 EH 225 EH 226 EH 235 EH 236	Title H Composition H Iowing: Figlish Composition I (Students who earn an English ACT score of 27, or a written SAT score of 20, or a writ	ours 3 3 3 3 3	
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Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225 EH 226 EH 226 EH 235 EH 236 B. Select one of ARH 100 ARH 103 ARH 123	TitleHCompositionIowing:English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.)English Composition II (Students who earn any English Composition II) Honors Composition II Honors Composition II Honors Composition IEnglish Composition II Bit SpeakingPublic SpeakingPublic SpeakingBrit Lit after 1785Brit Lit after 1785Am Lit before 1865Am Lit after 1650World Lit before 1650World Lit after 1650World Lit after 1650World Lit after 1650Kurey of ArtArt History II	ours 3 3 3 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of 1 EH 215 EH 216 EH 225 EH 226 EH 226 EH 235 EH 236 B. Select one of 1 ARH 100 ARH 103 ARH 123	TitleHCompositionIDENTIFYEnglish Composition I (Students who earn an English ACT score of 27, or a written SAT score of 27, or a wr	ours 3 3 3 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225 EH 226 EH 226 EH 226 EH 235 EH 236 I Select one of ARH 103 ARH 103 ARH 103 I ARS 101 DRA 110	TitleHCompositionIndish Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.)English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.)English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 2610, can opt out of EH 101.)English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 28, or a written SAT score of 28, or a writt	ours 3 3 3 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225 EH 226 EH 226 EH 226 EH 235 EH 236 B. Select one of ARH 100 ARH 103 ARH 103 ARH 103 I ARH 103 I I I I I I I I I I I I I I I I I I I	TitleHCompositionIDENTIFY TO THE STATE ST	ours 3 3 3 3 3 3 3	
Code Area I – Written Complete the fol EH 101 EH 102 or EH 105 Area II – Human CA 110 A. Select one of EH 215 EH 216 EH 225 EH 226 EH 226 EH 225 EH 226 B. Select one of ARH 103 ARH 103 ARH 103 ARH 103 CARH	TitleHCompositionIowing:English Composition I (Students who earn an English ACT score of 27, or a written SAT score of 20, can opt out of EH 101.)English Composition II (Honors Composition II) Honors Composition II Honors Composition II Honors Composition II Honors Composition Iitices & Fine ArtsPublic SpeakingPublic SpeakingBrit Lit before 1785Brit Lit after 1785Arn Lit after 1865World Lit before 1650World Lit before 1650World Lit after 1650World Lit after 1650World Lit after 1650Art History IArt History IIArt AppreciationIntroduction to TheatreIntroduction to Music	ours 3 3 3 3 3 3 3	

1

4

CH 131	General Chemistry I	4
&131L	and General Chemistry I Lab	
PH 201	Calculus-Based Physics I	4
& 201L	and Calculus-Based Physics I Lab	
Area IV – History	, Social & Behavioral Sciences	
A. Select 3 hours	from the following:	3
HY 101	HY of Western Civilization I	
HY 102	HY of Western Civilization II	
HY 135	US History to 1877	
HY 136	US History since 1877	
B. Select 3 hours	from the following:	3
AN 100	Intro to Cultural Anthropology	
AN 101	Intro Archaeology-Bio Anthro	
CA 100	Intro to Communication	
CA 211	Interpersonal Comm	
ECO 215	Prin of Microeconomics	
ECO 216	Prin of Macroeconomics	
GEO 114	People, Places, Environment	
GEO 115	World Regional Geography	
GS 101	Intro to Gender Studies	
IS 100	Global Issues	
IST 201	Seasons of Life	
NAS 101	Intro Native American Studies	
PSC 130	Intro to US Government	
PSY 120	Introduction to Psychology	
PSY 250	Life Span Development	
SY 109	Introductory Sociology	
SY 112	Social Problems	
C. Select an addit Area IV	tional 3 hours from either List A or List B above in	3
Area V - Pre-Prof	essional, Major, Elective Courses	
Complete the foll	owing:	
MA 126	Calculus II	4
MA 227	Calculus III	4
MA 237	Linear Algebra I	3
MA 238	Differential Equations I	3
PH 202	Calculus-Based Physics II	4
& 202L	and Calculus-Based Physics II Lab	
Total Hours		54

Additional Information

It is important that students make adequate progress in the Mechanical Engineering program. Satisfactory completion of a set of fundamental courses is required before a student is allowed to take advanced courses. Professional Component Standing (PCS) is awarded by the Chair of the Department when the student completes the College of Engineering PCS requirements and the WBBJ MABE Departmental PCS requirements.

College of Engineering PCS Courses

Minimum Grade C is required in all the following courses:

Code	Title	Hours
EH 101	English Composition I (if not exempt)	3
EH 102	English Composition II	3
or EH 105	Honors Composition - H	

1	CH 131	General Chemistry I	4
	&131L	and General Chemistry I Lab	
1	MA 125	Calculus I	4
	MA 126	Calculus II	4
	PH 201	Calculus-Based Physics I (+Lab)	4

Mechanical Engineering PCS Courses

Minimum Grade C is required in all the following courses:

Code	Title	Hours
EG 283	Statics	3
MA 227	Calculus III	4
MA 237	Linear Algebra I	3
ME 135	Engr Graphics and Comm	3
PH 202	Calculus-Based Physics II	4
PH 202	Calculus-Based Physics II	Ĺ

Graduation Plan

(127 Total Hours)

The Sample 4-year plan is designed as a guide for students preparing for their course selections. This information provides only a suggested schedule. Actual course selections should be made in consultation with an advisor. Courses listed as Milestones are required to obtain Professional Component Standing (PCS). Two designated writing (W) courses are required with at least one course chosen from offerings in the student's major or minor. Courses carrying this required credit are identified in the University Bulletin by a W after the course title.

Course	Title	Hours
First Year		
Fall		
EG 101	Intro to Engineering & Design	2
EH 101	English Composition I ^{1,2}	3
MA 125	Calculus I	4
CH 131 & 131L	General Chemistry I and General Chemistry I Lab	4
General Education	Area II or IV ¹	3
Milestone Notes		
Must complete at le	east 12 hours with a 2.0 or higher GPA	
	Hours	16
Spring		
EH 102	English Composition II (or EH 105) ¹	3
MA 126	Calculus II	4
PH 201	Calculus-Based Physics I	4
& 201L	and Calculus-Based Physics I Lab	
ME 135	Engr Graphics and Comm	3
CA 110	Public Speaking ¹	3
Milestone Notes		
MA 125	Calculus I	
CH 131	General Chemistry I	
& 131L	and General Chemistry I Lab	
EH 101	English Composition I (if not exempt)	
	Hours	17
Second Year		
Fall		
MA 227	Calculus III	4
MA 237	Linear Algebra I	3
PH 202 & 202L	Calculus-Based Physics II and Calculus-Based Physics II Lab	4
EG 283	Statics	3
General Education	Area II or IV ¹	3

Milestone Notes		
PH 201	Calculus-Based Physics I	
& 201L	and Calculus-Based Physics I Lab	
MA 126	Calculus II	
EH 102	English Composition II	
or EH 105	or Honors Composition - H	
ME 135	Engr Graphics and Comm	
	Hours	17
Spring		
EG 270	Engineering Thermodynamics	3
EG 284	Dynamics	3
EG 315	Mechanics of Materials	3
MA 238	Differential Equations I	3
ME 228	Computational Engineering	3
Milestone Notes		
MA 227	Calculus III	
PH 202	Calculus-Based Physics II	
& 202L	and Calculus-Based Physics II Lab	
EG 283		
MA 237	Linear Algebra I	
Third Man	Hours	15
Third Year		
		2
EG 220	Electrical Circuits	3
EG 300	Fluid Mechanics	3
ME 312	Meteriale Science	3
ME 320	Materials Science	3
Milestone Notes	Numerical Methods	3
MA 238	Differential Equations I	
11111200		
	Hours	15
Spring	Hours	15
Spring	Hours	15
Spring EG 231 ME 314	Hours Intro to Ethics and Economics Machine Component Design	15 3 3
Spring EG 231 ME 314 ME 316	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method	15 3 3 3
Spring EG 231 ME 314 ME 316 ME 317	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer	15 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W	15 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹	15 3 3 3 3 3 1 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹	15 3 3 3 3 1 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹	15 3 3 3 3 1 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹	15 3 3 3 1 3
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Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W	15 3 3 3 1 3 3 1 3 5 16 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control	15 3 3 3 1 3 3 1 5 7 6 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis	15 3 3 3 1 3 3 3 16 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List	15 3 3 3 1 3 3 3 1 5 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective Science Elective	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List	15 3 3 3 1 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective Science Elective Milestone Notes	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List	15 3 3 3 1 3 3 3 1 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective Science Elective Milestone Notes FE Exam	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List	15 3 3 3 3 3 1 3 3 1 3 3 3 3 3 3 3 3 3 3
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Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective Science Elective Milestone Notes FE Exam Spring	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List Hours Hours Hours	15 3 3 3 3 3 1 3 3 4 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 472 ME Elective Science Elective Milestone Notes FE Exam Spring ME 414	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List Hours Hours Capstone Design	15 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 426 ME 426 ME 426 ME 412 Science Elective Milestone Notes FE Exam Spring ME 414 ME 416	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List Hours Hours Capstone Design Capstone Design Project	15 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 426 ME 426 ME 426 ME Elective Science Elective Milestone Notes FE Exam Spring ME 414 ME 416 ME 429	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List See Department List Capstone Design Capstone Design Project Controls & Instr. Lab	15 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 426 ME 426 ME 426 ME Elective Science Elective Milestone Notes FE Exam Spring ME 414 ME 416 ME 429 General Education	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List See Department List Capstone Design Capstone Design Project Controls & Instr. Lab Area II or IV ¹	15 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Spring EG 231 ME 314 ME 316 ME 317 ME 336 General Education Milestone Notes Apply for graduation Apply to take FE Exam Fourth Year Fall ME 410 ME 426 ME 426 ME 426 ME 4272 ME Elective Science Elective Milestone Notes FE Exam Spring ME 414 ME 416 ME 429 General Education General Education	Hours Intro to Ethics and Economics Machine Component Design Instrumentatn & Exp Method Heat Transfer Material Science Lab-W Area II or IV ¹ Hours Principles of Eng Design-W Dynamic Systems and Control Vibration Analysis-Synthesis See Department List See Department List See Department List Capstone Design Capstone Design Project Controls & Instr. Lab Area II or IV ¹	15 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3

ME/Tech Elective II	See Department List	3
	Hours	16
	Total Hours	127

 ¹ Courses meet general education requirements.
 ² Students who earn an English ACT score of 27, or a written SAT score of 610, can opt out of EH 101.

Note: Students not Term 1-Calculus I ready will exceed the 127 hours required for this degree. If math is not started prior to Fall-Year 1, the fouryear graduation timetable is likely to be extended. Students with ACT Math scores 21 and below should begin math courses in the summer before Fall-Year 1.