

MECHANICAL ENGINEERING, BACHELOR OF SCIENCE (B.S.)

Course	Title	Credit Hours
Freshman Year		
MATH 260	Calculus I	4
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		3
ENGL 110	Composition I	3
ENGR 101	Introduction to Engineering I	2
PHYS 112	General Physics I	4
MATH 261	Calculus II	4
ENGL 111	Composition II	3
ENGR 102	Introduction to Engineering II	2
ENGR 200	Engineering Graphics	3
GE Social Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gesocialscienceelectivestext)		3
Credit Hours		31
Sophomore Year		
PHYS 113	General Physics II	4
MATH 350	Differential Equations	3
MEEG 205	Statics	3
GE Literature		3
GE Global Studies		3
CHEM 151	General Chemistry I	3
CHEM 153	General Chemistry I Laboratory	1
ENGR 201	Circuit Analysis	3
ENGR 203	Introduction to Programming	3
MEEG 210	Dynamics	3
MEEG 225	Thermodynamics	3
Credit Hours		32
Junior Year		
ENGR 304	Mechatronic System	3
ENGR 305	Materials Engineering	3
MEEG 325	Fluid Mechanics	3
MEEG 335	Heat Transfer	3
HPER 170	Health And Wellness	2
ENGL 342	Technical Communication	3
ENGR 301	Engineering Statistics	3
ENGR 310	Engineering Economics	3
MEEG 305	Mechanics of Deformable	3
MEEG 306	Solid Mechanics Lab	1
MEEG 336	Thermal Science Lab	1
Credit Hours		28
Senior Year		
MATH 360	Calculus III	4
MEEG 410	Computer Aided Engineering	3
MEEG 455	Systems and Controls	3
MEEG 461	Senior Project I	2
PHIL 275	Ethics	3
MEEG 405	Machine Design	3
MEEG 425	Thermal System Design	3
MEEG 462	Senior Project II	2
Restricted Elective		3
Restricted Elective		3
Credit Hours		29
Total Credit Hours		120

General Education Requirements for the B.S. Degree

Code	Title	Credit Hours
GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishselectivestext)		
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)		
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		
GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)		
GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)		
GE Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext)		
GE Social Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gesocialscienceelectivestext)		
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		
GE Mathematics Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gemathematicselectivestext)		

Total Requirements Semester Hours: 33

A single course may simultaneously fulfill a general education requirement and a departmental or major/minor requirement. A single course cannot be used to fulfill more than one general education requirement. Department or major/minor areas may opt to exceed the minimum credit hour requirements above.

Code	Title	Credit Hours
ENGR 101	Introduction to Engineering I	2
ENGR 102	Introduction to Engineering II	2
ENGR 200	Engineering Graphics	3
ENGR 201	Circuit Analysis	3
ENGR 203	Introduction to Programming	3
ENGR 301	Engineering Statistics	3
ENGR 304	Mechatronic System	3
ENGR 305	Materials Engineering	3
ENGR 310	Engineering Economics	3
MEEG 205	Statics	3
MEEG 210	Dynamics	3
MEEG 225	Thermodynamics	3
MEEG 305	Mechanics of Deformable	3
MEEG 306	Solid Mechanics Lab	1
MEEG 325	Fluid Mechanics	3
MEEG 335	Heat Transfer	3
MEEG 336	Thermal Science Lab	1
MEEG 405	Machine Design	3
MEEG 410	Computer Aided Engineering	3
MEEG 425	Thermal System Design	3
MEEG 455	Systems and Controls	3
MEEG 461	Senior Project I	2

MEEG 462	Senior Project II	2
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Total Credit Hours		61
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Code	Title	Credit Hours
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ENGL 342	Technical Communication	3
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PHYS 113	General Physics II	1-4
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CHEM 151	General Chemistry I	3
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CHEM 153	General Chemistry I Laboratory	1
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MATH 350	Differential Equations	3
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MATH 360	Calculus III	4
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Total Credit Hours		15-18
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Code	Title	Credit Hours
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MEEG/ENGR/CPEG/CSCI		3
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MEEG/ENGR/CPEG/CSCI		3
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Total Credit Hours		6
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Code	Title	Credit Hours
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General Education		35
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Core Requirements		61
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Major/Concentration Requirements		18
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Electives		6
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Total Credit Hours		120
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