

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

Freshman Year

1st Semester		Credit Hours
ENGT 100	Introduction Engineering Tech	2
ENGL 110	Composition I	3
MATH 150	Precalculus	4
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		3
ENGT 261	Fundamentals of ENGR Graphics	3
MCET 102	Machines Laboratory	1
Credit Hours		16

2nd Semester

STAT 210	Elementary Statistics I	3
ENGT 105	Engineering Problem Solving	2
ENGL 111	Composition II	3
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		1
PSYC 101	Introduction to Psychology	3
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudieselectivestext)		3
Credit Hours		15

Sophomore Year

1st Semester

INLT 292	Introduction to ERP	3
MCET 200	Statics	3
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		1
MATH 260	Calculus I	4
PHYS 105	Introduction to Physics I	3
PHYS 105	Introduction to Physics I ^{LAB}	1
Credit Hours		15

2nd Semester

SPEE 214	Introduction To Public Speakin	3
MCET 201	Strength Of Materials	3
MCET 202	Strength Of Materials Lab	1
MATH 261	Calculus II	4
PHYS 106	Introduction to Physics II	3
PHYS 106	Introduction to Physics II ^{LAB}	1
Credit Hours		15

Junior Year

1st Semester

MCET 313 & MCET 314	Fluid Mechanics and Fluid Mechanics Laboratory	4
MCET 311	Dynamics	3
MCET 306	Machine Design I	3
ENGT 290	Intro to Elect/Electronics	3
ENGT 301	Computer Programming	3
Credit Hours		16

2nd Semester

GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)		3
MCET 301	Intro To Thermodynamics	3
MCET 305	Manufac Materials & Processes	3
PHIL 275	Ethics	3
ENGT 321	Engineering Economy	3
Credit Hours		15

Senior Year

1st Semester

INLT 485	Project Management	3
MCET 401 & MCET 404	Applied Thermodynamics and Energy Laboratory	4
MCET 441	Heat Transfer	3
ENGL 342	Technical Communication	3
ENGT 420	Senior Project I	3

Credit Hours

16

2nd Semester

Restricted Elective	Technical Course	3
INLT 383	Quality Management	3
MCET 421 & MCET 422	Hydraulics And Pneumatics and Hydraulics & Pneumatics Lab	4
MCET 415 & MCET 416	Instrumentation And Control and Measurements Laboratory	4
ENGT 421	Senior Project II	2

Credit Hours

16

Total Credit Hours

124

General Education Requirements for the B.S. Degree

Code	Title	Credit Hours
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GE English Electives (<http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishselectivestext>)

GE Global Studies Electives (<http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudieselectivestext>)

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
MCET 102	Machines Laboratory	1
MCET 200	Statics	3
MCET 201	Strength Of Materials	3
MCET 202	Strength Of Materials Lab	1
MCET 301	Intro To Thermodynamics	3
MCET 305	Manufac Materials & Processes	3

MCET 306	Machine Design I	3
MCET 311	Dynamics	3
MCET 313	Fluid Mechanics	3
MCET 314	Fluid Mechanics Laboratory	1
MCET 401	Applied Thermodynamics	3
MCET 404	Energy Laboratory	1
MCET 415	Instrumentation And Control	3
MCET 416	Measurements Laboratory	1
MCET 421	Hydraulics And Pneumatics	3
MCET 422	Hydraulics & Pneumatics Lab	1
MCET 441	Heat Transfer	3
Total Credit Hours		39

Code	Title	Credit Hours
ENGT 100	Introduction Engineering Tech	2
ENGT 105	Engineering Problem Solving	2
ENGT 261	Fundamentals of ENGR Graphics	3
ENGT 290	Intro to Elect/Electronics	3
ENGT 301	Computer Programming	3
ENGT 321	Engineering Economy	3
ENGT 420	Senior Project I	3
ENGT 421	Senior Project II	2
INLT 292	Introduction to ERP	3
INLT 383	Quality Management	3
INLT 485	Project Management	3
PHYS 105 & 105	Introduction to Physics I and Introduction to Physics I	4
PHYS 106 & 106	Introduction to Physics II and Introduction to Physics II	4
MATH 260	Calculus I	4
MATH 261	Calculus II	4
ENGL 342	Technical Communication	3
Total Credit Hours		49

Code	Title	Credit Hours
Restricted Electives	Technical Courses	3
Total Credit Hours		3

Code	Title	Credit Hours
General Education		33
Core Requirements		39
Major/Concentration Requirements		49
Electives		3
Total Credit Hours		124