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

Freshman Year

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 ENGT 101 Composition II 3 GE Wellness/Health Electives (http://catalog vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext) 1 SPC 101 Introduction to Psychology 3 GE diobal Studies Electives (http://catalog vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext) 3 NEGE 201 Introduction to ERP 3 MCET 200 Statics 3 GE Wellness/Health Electives (http://catalog vsu.edu/undergraduate/general-education-programs/#gewellnesshealthext) 4 WATT 202 Introduction to Physics I 4 PHYS 105 Introduction to Physics I 3	Freshman Year			
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Credit Hours			3	
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ENGT 321 Engineering Economy 3	MCET 305	Manufac Materials & Processes	3	
ENGT 321 Engineering Economy 3	PHIL 275	Ethics		
		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 Electiv	ve ^{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

GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishelectivestext)

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
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

Electives

Total Credit Hours

MCET 306	Machine Design I	3	
MCET 311	MCET 311 Dynamics		
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 Hou	rs	39	
0-4-	Tial.	0	
Code	Title	Credit Hours	
FNGT 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	Introduction to Physics I	4	
& 105	and Introduction to Physics I	7	
PHYS 106	Introduction to Physics II	4	
& 106	and Introduction to Physics II		
MATH 260	Calculus I	4	
MATH 261	Calculus II	4	
ENGL 342	Technical Communication	3	
Total Credit Hou	rs	49	
Code	Title	Credit	
		Hours	
Restricted Electi	ves Technical Courses	3	
Total Credit Hou		3	
Code	Title	Credit	
		Hours	
General Education		33	
Core Requiremen		39	
Major/Concentra	49		

3

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