

CLEVELAND STATE UNIVERSITY

Name _____ I.D. No. _____

MECHANICAL ENGINEERING TECHNOLOGY
Co-op Curriculum Sheet
Effective 02-27-09

<u>Fall Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>		
ENG 101 College Writing I	4	_____	ENG 102 College Writing II, or	3	_____	Work or School		
MTH 151,152,153 Math Concepts 1a,b,c	4	_____	ESC 102 Tech Writing & Prof Comm	3	_____			
EET 205 DC Circuits	3	_____	PHY 221 College Physics I	5	_____			
GET 255 Intro to Robotics & Auto Sys	4	_____	ESC 151 C Programming, or	3	_____			
ESC 100 New Student Orientation*, or	1	_____	ESC 152 Programming with Matlab	3	_____			
ASC 101 Introduction to University Life*1	_____	_____	CSC 121 Career Orientation	1	_____			
	16		ESC 120 Intro to Engineering Design***	2	_____			
				14				
<u>Fall Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>	<u>Grade</u>
MET 201 Statics for Engineering Tech	3	_____	MET 202 Dynamics for Eng Tech	3	_____	Co-op:		
CHM 261 General Chemistry I	4	_____	MTH 154,155,156 Math Concepts 2a,b,c	4	_____	ESC 300	1	_____
CHM 266 General Chemistry I Lab	1	_____	ESC 270 Material Science & Eng	3	_____			
GET 285 Science of Alternative Energy	4	_____	MCE 255 Computer Aided Eng Design	4	_____			
Select from Advisor's List _____	3	_____						
	15			14				
<u>Fall Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>	<u>Grade</u>
MTT 300 Applied Math	4	_____	Co-op:			Advisor's List Course	3	_____
MET 320 Adv Mechanics of Materials	3	_____	ESC 300	1	_____	Advisor's List Course	3	_____
MET 345 Thermodynamics	4	_____				Advisor's List Course	3	_____
Select from Advisor's List _____	3	_____						
Select from Advisor's List** _____	3	_____						
	14-17							
<u>Fall Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>	<u>Grade</u>
Co-op:			MTT 301 Advanced Applied Math	4	_____	Co-op:		
ESC 300	1	_____	MET 330 Adv Dynamics & Vibrations	4	_____	ESC 300	1	_____
			MET 350 Fluid Mechanics	3	_____			
			MET 351 Thermal Fluids Lab	2	_____			
			Select from Advisor's List _____	3	_____			
				16				
<u>Fall Semester – Year 5</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 5</u>	<u>Cr.</u>	<u>Grade</u>			
MET 410 Design of Machine Elements	3	_____	GET 430 Elect Power, Cont, & Instru	3	_____			
MET 411 Mech Measurements Lab	1	_____	GET 431 Elect Power, Cont, & Instru Lab1	_____	_____			
MET 420 Heat Transfer	3	_____	MET 450 Mechanical System Design, or	3	_____			
MET 445 Solid Modeling Applications	3	_____	GET 455 Robotic System Design, or	3	_____			
MET 470 Senior Design A	1	_____	MET 460 Thermal System Design	3	_____			
Select from Advisor's List _____	3	_____	MET 480 Senior Design B	3	_____			
Select from Advisor's List _____	3	_____	Select from Advisor's List _____	3	_____			
	17		Select from Advisor's List** _____	3	_____			
				13-16				

* Not required for transfer students.

** May be required for transfer students only.

*** Required for freshmen and transfer students admitted to Engineering College Fall, 2003 and after.

Advisor's List: 3 Technical Electives, 1 Business Elective, 1 Communications Elective, 6 Gen Ed Electives (2 Soc Sci, 2 Art & Hum, 2 Soc Div); plus, 1 Programming Language and 1 Basic Science for transfer students only

Minimum number of credits required for degree (excluding orientation and co-op): 128