

MECHANICAL ENGINEERING TECHNOLOGY (MET)

Accredited by TAC of ABET

Advising Sheet - Catalog Year 2008-2009

Name: _____

SS#: _____

<u>1st Semester</u>				<u>Sem</u>	<u>Grd</u>	<u>2nd Semester</u>				<u>Sem</u>	<u>Grd</u>
MET	120	Engineering Graphics	3	_____	_____	MET	240	Computer Solid Modeling	3	_____	_____
ENGN	110	Engineering & Tech. I	2	_____	_____	ENGN	111	Engineering & Tech. II	2	_____	_____
MATH	162M	Pre-calculus I	3	_____	_____	MATH	163	Pre-calculus II	3	_____	_____
CHEM	115N	Found. of Chemistry	4	_____	_____	PHYS	111N	General Physics I	4	_____	_____
_____	____S	Social Science Perspective (S)	3	_____	_____	ENGL	110C	English Composition	3	_____	_____
15						15					
<u>3rd Semester</u>						<u>4th Semester</u>					
MET	200	Manufacturing Processes	3	_____	_____	CET	220	Strength of Materials	3	_____	_____
CET	200	Statics	3	_____	_____	OTS	231/221	Materials and Processes Tech.	3	_____	_____
MATH	211	Calculus I	4	_____	_____	_____	_____	Approved Elective	3	_____	_____
PHYS	112N	General Physics II	4	_____	_____	COMM	101R	Public Speaking	3	_____	_____
ENGL	111C	English Composition	3	_____	_____	_____	____L	Literary Perspective (L)	3	_____	_____
17						15					
<u>5th Semester</u>						<u>6th Semester</u>					
MET	300	Thermodynamics	3	_____	_____	MET	330	Fluid Mechanics	3	_____	_____
MET	310	Dynamics	3	_____	_____	MET	335	Fluid Mechanics Laboratory	1	_____	_____
MET	320	Design of Machine Elements	3	_____	_____	MET	350	Thermal Applications	3	_____	_____
CET	345	Materials Testing Laboratory	1	_____	_____	MET**	370	Automation & Controls	3	_____	_____
EET	305	Advanced Technical Analysis	3	_____	_____	MET**	386	Automation & Controls Lab	1	_____	_____
EET	350	Fund. of Electrical Tech.	3	_____	_____	*		Upper Div. Cluster (or Minor)	3	_____	_____
EET	355	Electrical Laboratory	1	_____	_____	_____	____P	Philosophical Persp	3	_____	_____
17						17					
<u>7th Semester</u>						<u>8th Semester</u>					
MET	434	Introduction to Senior Design	1	_____	_____	MET	435W	Senior Design Project	3	_____	_____
MET	387	Power & Energy Laboratory	2	_____	_____	MET	4	Senior Elective	3	_____	_____
MET	4	Senior Elective	3	_____	_____	MET	4	Senior Elective	3	_____	_____
MET	4	Senior Elective	3	_____	_____	*		Upper Div. Cluster (or Minor)	3	_____	_____
ENGN	401	F.E. Review	1	_____	_____	_____	____A	Fine and Performing Arts Persp.	3	_____	_____
*		Upper Div. Cluster (or Minor)	3	_____	_____	15					
_____	____H	Historical Persp (none)	3	_____	_____	Total credits 127					
16											

Typical MET Senior Electives

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|---|---|---|
| MET 400, Computer Numerical Control in Production | MET 455, Lean Engineering | MET-485, Principles of Maintenance Eng. |
| MET 410, Advanced Manufacturing Processes | MET 460, Refrigeration and AC | EET 360, Elect. Power & Machinery |
| MET 415, Introduction to Robotics | MET 465, Geometric Dimensioning & Tolerancing | NOTES: |
| MET 420, Design for Manufacturing | MET 471, Nuclear Systems I | |
| MET 430, Mechanical Subsystem Design | MET 472, Nuclear Systems II | |
| MET 440, Heat Transfer | MET 475, Principles of Marine Eng.-II | |
| MET 445, Computer Integrated Manufacturing | MET 476, Principles of Marine Eng.-II | |
| MET 450, Energy Systems | MET-480, High Performance Piston Engines | |

Computer Requirements: Students must either own or have ready access to a computer with an internet connection.

*Minor: Students who choose a minor will be required to take at least one more course. Students are encouraged to take the Engineering Management or EET Minor.

** Must be taken together

Foreign Language: Students must complete 6 hours of Foreign Language unless they meet one or more of the following:
 (a) completion of high school before December 1985, (b) completion of three years of one foreign language in high school, or (c) completion of two years each of two foreign languages in high school.

Graduates of this Program Earn a Bachelor of Science in Engineering Technology

Advised by (Initial): _____
 Date: _____

Transfer Evaluations
 Preliminary _____
 Official _____