

Mechanical Engineering Program Curriculum Sheet

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NAME _____

BANNER ID _____

	<u>Fall Semester</u>	Hours	Grade	<u>Spring Semester</u>	Hours	Grade
<u>1st Year</u>	ENGL 1550 Writing 1 (GER, W) ¹	3	_____	ENGL 1551 Writing 2 (GER, W)	3	_____
	MATH 1571 Calc 1 (GER, MA) ¹	4	_____	MATH 1572 Calc 2 (GER, MA)	4	_____
	CHEM 1515 Chem 1 (GER, NS) ¹	4	_____	PHYS 2610 Phys 1 (GER, NS)	4	_____
	GER Elective (AL) ^{2,3}	3	_____	CMST 1545 Speech (GER, O)	3	_____
	ENGR 1550 Engr Concepts	<u>3</u>	_____	ENGR 1560 Engr Computing	<u>3</u>	_____
		17			17	
<u>2nd Year</u>	MECH 2603 Thermodynamics 1 ¹	3	_____	MECH 2604 Thermodynamics 2	3	_____
	MATH 2673 Calculus 3	4	_____	MECH 2606 Materials	3	_____
	PHYS 2611 Phys 2 (GER, NS)	4	_____	MECH 2641 Dynamics ¹	3	_____
	CEEN 2601 Statics	3	_____	MATH 3705 Diff Equations	3	_____
	ECON 2610 Princ.I (GER, SI)	<u>3</u>	_____	CEEN 2602 Str of Material	3	_____
		17		CEEN 2602L Str Mat Lab	<u>1</u>	_____
					16	
<u>3rd Year</u>	MECH 3720 Fluid Dyn	3	_____	MECH 3708 Engr Analysis	3	_____
	MECH 3742 Kinematics	3	_____	MECH 3720L Fluid Lab (WI)	1	_____
	MECH 3751 Stress 1	3	_____	MECH 3725 Heat Transfer	3	_____
	MECH 3751L Stress Lab (WI)	1	_____	MECH 3762 Machine Design	3	_____
	ECEN 2632 Circuit 1	3	_____	MECH 3762L Mach Des Lab (OI)	1	_____
	PHIL 2625 Prof Ethics (GER, PS)	<u>3</u>	_____	ISEN 3710 Engr Statistics *	3	_____
		16		GER Elective (AL) ^{2,3}	<u>3</u>	_____
					17	
<u>4th Year</u>	MECH 4881 DSA & Vib (T)	3	_____	MECH 4809 Mech Sys Des 2 **	3	_____
	MECH 4835 Therm Fl Appl	3	_____	MECH 5892 Control Mech Sys	3	_____
	MECH 4835L TFA Lab (OI)	1	_____	MECH 5892L Vib & Contr Lab (T)	1	_____
	MECH 4808 Mech Sys Des 1 **	2	_____	MECH Elective ***	3	_____
	MECH 4808L Mech Des Lab **	1	_____	GER Elective (SI) ^{2,3}	3	_____
	MECH Elective ***	3	_____	GER Elective (PS) ^{2,3}	<u>3</u>	_____
	GER Elective (SI) ^{2,3}	<u>3</u>	_____		16	
		16				

Summary

Writing (W) and Speech (O)	3 (9)
Art & Literature (AL)	2 (6)
Soc & Institution (SI)	3 (9)
Pers & Soc Responsibility (PS)	2 (6)
Nat Science (NS)	3 (12)
Mathematics	5 (18)
ENGR & Other Engr Programs	6 (16)
Mechanical Engr	<u>23 (56)</u>
Total	47(132)

* STAT 3743 Prob & Stat **or** ISEN 3710 Engr Stat

** Capstone and GER capstone courses

***** MECH Electives:**

- MECH 4800 Special Topics
- MECH 4823 HVAC
- MECH 5811 Solar Engr
- MECH 5825 Heat Transfer 2
- MECH 5836 Fluid Power & Control
- MECH 5852 Stress 2
- MECH 5872 Acoustics
- MECH 5884 Finite Element Anal

Footnotes:

- 1 Requires a grade of "C" or better.
- 2 Additional GER information can be obtained through their website at www.ysu.edu/ger/.
- 3 Only GER courses can be C/NC; up to 3 semester hours per term and 12 semester hours total.

2/26/2009