SAIT MECHANICAL TECHNOLOGY TO GENERAL ENGINEERING, MECHANICAL OPTION

2010 - 2011 CURRICULUM WORKSHEET

Name

Advisor _____ **Date:**

	Course Number	Course Title	SAIT Credits	ENGR Credits	SEMESTERS Transfer	1st Fall	2nd spring	3rd fall	4th spring	5th fall	6th spring	75h	8th	95h
Deficiencies														
	CHMY 141	College Chemistry I (formerly CHEM 1056)	CHEM 205	3										
Freshman	CHMY 142	College Chemistry Lab I (formerly CHEM 1136)	chem 205	1										
First	EGEN 101	Intro. To Eng. Calcs & Problems	comp 220	3										
Semester	WRIT 101	College Writing I (formerly COMM 1046)	Comm 258	3										
	M 171	Calculus I (formerly MATH 1520)	M 235 & 285	3										
	*Approved Elective	_____	MACH 315	2										
	ENGR 1050	Intro. To General Engineering	admn 200	1										
	CSCI 117	Programming with MatLab		3										
Freshman	PHSX 234	General Physics - Mechanics	PHYS 235	3										
Second	M 172	Calculus II (formerly MATH 1530)		3										
Semester	CHMY 144	College Chemistry Lab I (formerly CHEM 1136)		1										
	CHMY 143	College Chemistry II (formerly CHEM 1066)		3										
	*Tech. Elective	_____	Mnfg 200, 205	6										
	EGEN 201	Statics	stcs 255 & stat 245	3										
Sophomore	M 273	Multivariable Calculus (formerly MATH 2510)		4										
First	EGEN 213	Survey of Metallurgical and Mechanical Engineering		3										
Semester	*Tech. Elective	_____	DSGN 216	3										
	PHYS 235	Gnl Physics- Heat,Sound&Optics		3										
	PHYS 236	General Physics Lab- Heat,Sound&Optics		1										
	EGEN 202	Engineering Mech - Dynamics	DYNA 265	3										
Sophomore	EGEN 215	Engineering Graphics	ENGD 230	2										
Second	M 274	Intro to Diff Equations (formerly MATH 2236)		3										
Semester	EELE 201	Electric Circuits		3										
	EELE 202	Electric Circuits Lab		1										
	PHSX 237	General Physics - Ele, Magn., & Motion		3										
	PHSX 238	General Physics Lab- Heat,Sound&Optics		1										
	ECNS 203	Principles of Economics (counts as Social Science Elective)		3										
	*Professional Elec	_____	Emtl 232 & 282	3										
Junior	EGEN 335	Fluid Mechanics	FLDS 335	3										
First	EGEN 324	Thermodynamics I	Thrm 315 & 370	3										
Semester	EGEN 305	Mechanics of Material	Smtl 300	3										
	EGEN 306	Mechanics of Materials Lab	Smtl 300	1										
	M 333 or STAT 332	Linear Algebra or Stat. for Sci. & Engineers		3										
	WRIT 321	Scientific and Technical Writing	Comm 288	3										
Junior	EGEN 318	Introductory Engineering Computer Applications	Mnfg 333	2										
Second	EMEC 326	Heat Transfer		3										
Semester	EMEC 455	Fundamentals of Machine Design	Dsgn 300 & 350	3										
	WLDG 360	Intro to Welding Engineering		2										
	EGEN 434	Thermodynamics II	Thrm 315 & 370	3										
	*Hum. Elective	_____		3										
	EGEN 325	Eng. Econ. & Fin. Mgmt.	ECON 209	3										
Senior	EGEN 489	Engineering Design		2										
First	EELE 423	Process Instrumentation and Control		3										
Semester	EELE 424	Process Instrumentation and Control Lab		1										
	EMEC 445	Mechanical Vibrations		3										
	*Hum. Elective	_____		3										
	EGEN 488	Professional Engineering		1										
	EELE 355	(EE 3540) Electric Machines		3										
	EGEN 336	Fluid Mechanics Lab	FLDS 385	1										
Senior	EGEN 499	Engineering Design II		2										
Second	EGEN 494	Engineering Seminar		1										
Semester	EMEC 402	Mechanical Engineering Lab		1										
	* Prof. Elective	300 level or higher		3										
	EMEC 448	Heating, Ventilating & Air Conditioning		3										
			Total Credits for Graduation	136	**64**	**16**	**14**	**16**	**12**	**14**		136		
Minor														
Non-Major														
				Date										
				Advisor										