SAIT CIVIL TECHNOLOGY, CONSTRUCTION OPTION TO GENERAL ENGINEERING, CIVIL OPTION

2010 - 2011 CURRICULUM WORKSHEET

Name

Advisor _____ **Date:**

	Course Number	Course Title	SAIT Credits	ENGR Credits	1st	2nd	3rd	4th	5th	6th SUMMER	7th SUMMER	8th	9th	10th
Deficiencies														
	CHMY 141	College Chemistry I (formerly CHEM 1056)	taken at Athabasca	3										
Freshman	CHMY 142	College Chemistry Lab I (formerly CHEM 1136)	taken at Athabasca	1										
First	ECOR 101	Intro. To Eng. Calcs & Problems	Comp 220	3										
Semester	WRIT 101	College Writing I (formerly COMM 1046)	Comm 238	3										
	M 171	Calculus I (formerly MATH 1520)	M 235 & 285	3										
	*Approved Elective	_____	diploma	2										
	ENGR 1050	Intro. To General Engineering	diploma	1										
	GEO 101	Introduction to Physical Geology		3										
Freshman	PHSX 234	General Physics - Mechanics	Phys 235	3										
Second	M 172	Calculus II (formerly MATH 1530)		3										
Semester	CHMY 143	College Chemistry II (formerly CHEM 1066)	taken at Athabasca	3										
	* Hum. Elective	_____		3										
	ENGR 2050	Statics	Stat 230 and STCS 242	3										
	M & ME 2020	Survey of Metallurgical and Materials Engineering		3										
Sophomore	M 273	Multivariable Calculus (formerly MATH 2510)		4										
First	MIN 2100	Plane Surveying	Surv 222	3										
Semester	PHYS 235	Gnl Physics- Heat,Sound&Optics		3										
	PHYS 236	General Physics Lab- Heat,Sound&Optics		1										
	ENGR 2060	Engineering Mech - Dynamics	Stcs 242	3										
	ENVE 2040	Environmental Process Engineering	Envs 351	3										
Sophomore	ENGR 2150	Engineering Graphics	Engd 219 & 229	2										
Second	M 274	Intro to Diff Equations (formerly MATH 2236)		3										
Semester	E.E. 2530	Electric Circuits		3										
	E.E. 2550	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										
Junior	ENGR 3260	Fluid Mechanics		3										
First	ENGR 3340	Thermodynamics I		3										
Semester	ENGR 2300	Construction Estimation	ESTM 260 & 360	3										
	ENGR 4880	Structural Anaysis and Design	Civl 342 &Civl 348	3										
	M 333 or STAT 332	Linear Algebra or Stat. for Sci. & Engineers		3										
	WRIT 321	Scientific and Technical Writing	Comm 288	3										
	ENGR 3150	Introductory Engineering Computer Applications	Cons. Only Civl 342 & 344	2										
Junior	ENGR 3350	Mechanics of Material	Smtl 246	3										
Second	ENGR 3360	Mechanics of Materials Lab	Smtl 246	1										
Semester	* Hum. Elective			3										
	* Professional Elective			3										
	M.EC 3630	Eng. Econ. & Fin. Mgmt.	Civl 367	3										
Senior	ENGR 4920 W	Engineering Design		2										
First	ENGR 4860	Soil Mechanics and Foundation Design	Civl 224 and 326 Con. Civl 224 & Civl 348	3										
Semester	* Professional Elective			3										
	* Hum. Elective			3										
	ENGR 4040	Professional Engineering		1										
Senior	ENGR 4930 W	Engineering Design		2										
Second	ENGR 4940	Engineering Seminar		1										
Semester	ENVE 4020	Surface Water Hydrology		3										
	* Professional Elec	Engr 4840		3										
	* Professional Elective			3										
	* Professional Elective			3										
	ENGR 4870	Subdivision Design		3										
			Total Credits for Graduation	133	48	18	17	18	18	9				
Minor														
Non-Major														
				Date										
				Advisor										