

Sheet1

Oct. 2012 To be ABET accredited a program needs 30 hours (1 yr) of basic science and math courses plus 45 hours (1.5 yrs) of engineering. Some tweaking will need to be made once engineering faculty are hired.

		FALL			SPRING		
	LA Class number	Description		Lab Hrs	LA Class number	Description	Lab Hrs
Year 1	MAT 111	Calc 1		4	MAT 112	Calc 2	4
	Egr 1xx	Engineering Orientation I	X	2	Egr 1xx	Engineering Orientation II	X 3
	X HIS 110	The Twentieth Century		3	X PHI 105	Logic and Knowledge	3
	CHE 110	General Chemistry I		4	PHY 110	Physics I	4
	CHE 121	General Chemistry Lab I	X	1	PHY 121	Physics Lab I	X 1
		FYS		1	X ENG 105/110	English Composition	3
	Total			15			18
Year 2	MAT 211	Calc 3		4	PHY 244	Dynamics	O 3
	X LIT 120	Methods and Genres		3	MAT 212	Ordinary Differential Eqns	4
	PHY 243	Statics	O	3	Egr 2xx	Mechanics of Materials	O 3
	PHY 120	Physics II		4	X HIS 120	Historical Methods	3
	PHY 122	Physics Lab II	X	1	X LIT 250	Conflicts and Cultures	3
	X RST 106/107	First level theology		3	Egr 2xx	Strength Lab	x 1
	Total			18			17
Year 3	MAT 204 (cross)	Engineering Stats		3	MAT 331/PHY 3	Engineering Numerical Methods	3
	X LANG1	Foreign Language		3	PHY 317 (cross)	Thermodynamics	O 4
	X ECO 110	Macroeconomics		3	NEW	Mechatronics + Lab	X 4
	MAT 240	Linear Algebra		4	X LANG2	Foreign Language	3
	NEW/PHY 312	Circuits and Electronics + Lab	X	4	X PHI 205	Philosophy of the Human Person	3
	Total			17			17
Year 4	NEW	Machine Design	O	3	NEW	Engineering Capstone Project	3
	NEW	Engineering Elective	O	3	NEW	Systems Modeling/Control	3
	NEW	Engineering Econ/Project management		3			
	X INS111/SSC105	Global Perspectives		3	X FAS 1xx	Fine Arts	3
	X RST/PHI 305	Ethics		3	New	Engineering elective or labs	3
					X RST 2xx	Second level theology	3
	Total			15			15

Total Hours

132

ering courses at a minimum.

