

Plan of Study, B.S. Engineering Science

	Fall			Spring		
First Year	ENGR 110	Introduction to Engineering w/lab	4	ENGR 120	Engineering Analysis	1
	MATH 123	Calculus I	3	ENGR 215	Materials Strength and Engineering	4
	CHEM 131	General Chemistry I	3	MATH 124	Calculus II	3
	CHEM 141	General Chemistry Lab	1	PHYS 171	General Physics I w/lab	4
	ENGL 104	Thought and Expression Foreign Language			General Education Foreign Language	
Sophomore	ENGR 205	Statics and Strength of Materials	3	ENGR 232	Engineering Design in the Community	3
	MATH 223	Calculus III	3	ENGR 206	Dynamics and Kinematics	3
	PHYS 172	General Physics II w/lab	4	ENGR 125	Intro to Computer Science w/lab	4
		General Education Foreign Language			General Education Foreign Language	
Junior	ENGR 221	Electrical Circuits w/lab	4	ENGR 324	Mechatronics w/lab	4
	ENGR 307	Thermal and Fluid Systems w/lab	4	ENGR 341	Theory of Structures	3
	PHYS 215	MATLAB Programming	1	ENGR 378	Engineering Co-op (usually summer)	1
	MATH 328	Ordinary Differential Equations	3	MATH 205	Statistics	3
		General Education		BUSN 326	Project Selection General Education	3
Senior	ENGR 3XX	Engineering Elective	3	ENGR 3XX	Engineering Elective	3
	ENGR 415	Systems Modeling and Controls	3	ENGR 452	Capstone Design II	3
	ENGR 451	Capstone Design I	1		Math/Sci Elective	4
	PHYS 233	Intermediate Physics Lab	1		General Education	
		General Education General Education			General Education	