



Master of Science Sample Curriculum

Research Area: Design & Manufacturing (Engineering Design)

Degree Pursing: MS SEE (non-thesis)

Courses (Minimum Enrollment 12 hours/8 hours if 25% assistantship or greater)

1 st Semester (fall)		2 nd Semester (spring)	
Course	Credits	Course	Credits
GE 410: Component Design	0	GE 411: Reliability Engineering -or- GE 598 GK: Compliant Mechanism Design	4 4
GE 402: Comp-Aided Product Realization	3	IE 431: Design for Six Sigma	3
GE 412: Nondestructive Testing -or- GE 450: Decision Analysis I	4 4	GE 413: Engrg Design Optimization -or- GE 598 JA: Dynamic System Modelling and Design	3 4
		GE 422: Robot Dynamics and Control	4
Total	7	Total	14-15

3 rd Semester (fall)	
Course	Credits
IE 513: Optimal System Design -or- IE 445/EPsy 456/PSYC 456: Human Performance and Cognition in Context	4 4
-or- CEE 443: Env Eng Principles, Chemical	4
GE 530: Multiattribute Decision Making	4
GE 594: Project Design	8
Total	16

Disclaimer: This sample curricula should be used as a guide for students. See degree requirements for your specific degree and adjust as necessary to meet your program requirements and educational goals.