



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
SE 410: Component Design	0	SE 411: Reliability Engineering -or- SE 598 GK: Compliant Mechanism Design	4 4
SE 402: Comp-Aided Product Realization	3	IE 431: Design for Six Sigma	3
SE 412: Nondestructive Testing -or- SE 450: Decision Analysis I	4 4	SE 413: Engrg Design Optimization -or- SE 598 JA: Dynamic System Modelling and Design	3 4
		SE 422: Robot Dynamics and Control	4
Total	7	Total	14-15

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

Offered every semester	Offered every fall	Offered every spring
Offering varies	Offered fall-even years	Offered spring-odd years
Fall-varies	Offered fall-odd years	Spring-varies