

Student Course Planning Models



AUBURN
MASTER of ENGINEERING
MANAGEMENT

Option	Systems	Manufacturing	Occupational Safety & Ergonomics	Product Innovation	Healthcare Systems
Semester					
Fall 1	INSY 6100	INSY 6800	INSY 6010+	INSY 6800	INSY 6670
Spring 1	INSY 6110	INSY 6840	INSY 6250	Elective	INSY 6650
Summer 1	INSY 6250	INSY 6600	INSY 6600	INSY 6600	INSY 6600
Fall 2	INSY 6120*	INSY 6080	INSY 7060+	INSY 7730	INSY 6080
Spring 2	INSY 6130*	Elective	INSY 6800	INSY 7740	INSY 6800
Summer 2	INSY 6600	Elective	Elective	INSY 7750*	INSY 6250
Fall 3	INSY 7760	INSY 6330	INSY 6080	INSY 7760	INSY 6670*
Spring 3	INSY 6800	Elective	Elective	Elective	Elective
Summer 2	Elective	INSY 6250	Elective	INSY 6250	Elective
Fall 4	INSY 6080	INSY 7760	INSY 7760	INSY 6080	INSY 7760
Total Hours	30	30	30	30	30

Course offerings may differ depending on when students begin and department resources. These models are based off one course per semester; students are welcome to take additional courses based on preference and workload. Students may take classes in any order they choose.

*Recommended Course – Applies as an elective

+Offered in either even or odd fall semesters, depending on which year starting the program switch the courses. INSY 6010 – Even Fall Semesters; INSY 7060 – Odd Fall Semesters

Curriculum

Required Courses (5 core courses)

Course #	Course Name	Credits	Offering
INSY 6600	Engineering Economics Systems	3	Spring/Summer
INSY 6250	Project Management	3	Spring/Summer
INSY 6800	Lean Systems	3	Fall/Spring
INSY 6080	Human Factors Engineering	3	Fall
INSY 7760 or BUSI 7140	Engineering & Technology Management or Organizational Leadership, Ethics, & Change	3	Fall TBD

Option Courses (2 courses)

Option	Courses	Course Name	Credits	Offering
Systems	INSY 6100	Systems Engineering I	3	Fall
	INSY 6110	Life Cycle Engineering	3	Spring
Manufacturing	INSY 6330	Six Sigma	3	Fall
	INSY 6840	Control of the Manufacturing Floor and Process	3	Spring
Occupational Safety & Ergonomics	INSY 6010	Safety Engineering I	3	Even Year Fall *Online Summer
	INSY 7060	Ergonomics I	3	Odd Year Fall
Product Innovation	INSY 7730	Product Design, Development, and Test	3	Fall
	INSY 7740	Product Launch, Manufacturing, and Delivery	3	Spring
Healthcare Systems (choose 2)	INSY 6650	Healthcare Culture & Policy	3	Spring
	INSY 6660	Healthcare Operations	3	Fall
	INSY 6670	Human Factors in Healthcare	3	Fall

Electives (3 courses)

There are three additional required INSY or INSY-related Electives for each option. An INSY Elective is any 3-hour graduate course with INSY pre-fix. An INSY-related Elective may have an INSY prefix or other prefix, such as SCMN 6720. Students can take all of their courses as INSY courses and are recommended to do so if they do not have an undergraduate degree in Industrial and Systems Engineering. STAT 7000 may not be counted for this degree.

You may also consider a Graduate Certificate which would double count courses in your degree: [ISE Graduate Certificates](#). Certificates from other departments may also be considered.

All graduate level courses are numbered 6000 and above, e.g. INSY 6600, INSY 7300, or INSY 8250. There is no substantive difference in the level 6xxx and level 7xxx courses. The courses numbered 8xxx are usually only taken by PhD students; individual instructors can make exceptions. Distance courses are delineated by the section number beginning with the letter D, such as INSY 6600-DL1. All graduate level courses are 3-semester hours unless otherwise specified.