

Master of Science in Industrial & Systems Engineering

Student Course Planning Models



AUBURN UNIVERSITY

Samuel Ginn College of Engineering
Industrial and Systems Engineering

Option	1-Course	2-Course	1-Year	1-Year ABM+
Semester				
Fall 1	INSY 7300	INSY 7300 Elective	INSY 7300 Elective Elective Elective	INSY 7300 Elective Elective Elective
Spring 1	INSY 7420	INSY 7420 Elective	INSY 7420 INSY 6600 INSY 7950 Elective Elective	INSY 7420 INSY 6600 INSY 7950 Elective
Summer 1	INSY 6600	INSY 6600*	INSY 6600* Elective	
Fall 2	Elective	Elective Elective		
Spring 2	INSY 7950 Elective	INSY 7950 Elective		
Summer 2	Elective	Elective Elective		
Fall 3	Elective			
Spring 3	Elective			
Summer 2	Elective			
Fall 4	Elective			
Total Hours	31	31	31	31

Course offerings may differ depending on when students begin and department resources. Students may take classes in any order they choose. See elective requirements below.

Thesis Option students will replace two INSY electives with 6-credits of INSY 7990 – Thesis.

*INSY 6600 - Summer classes are 10 weeks and it is recommended if working fulltime to only enroll in one summer course at a time.

+1-Year ABM assumes students have completed 3 courses (9-credit hours) during the UG degree.

Curriculum

Required Courses (4 core courses)

Course #	Course Name	Credits	Offering
INSY 6600	Engineering Economics Systems	3	Spring/Summer
INSY 7300	Advanced Engineering Statistics	3	Fall
INSY 7420	Linear Programming	3	Spring
INSY 7950	Seminar	1	Spring

Electives

Elective Type	Note	Credits
INSY Electives	Any INSY 3-hour graduate course	12
INSY or INSY-related Electives	See below.	9

There are four additional required INSY Electives. An INSY Elective is any 3-hour graduate course with INSY pre-fix.

There are three additional required INSY or INSY-related Electives. An INSY-related Elective may have an INSY prefix or other prefix, such as BUSI 7140. 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.

Thesis Option Courses 6-credits

There are six (6) additional hours of INSY Thesis (INSY 7990). Students must identify a thesis advisor, one of our professors that is willing to supervise the research and evaluate the thesis. The Graduate School has specific policies and dates regarding the master's thesis.

Courses

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.