

Modeling and Simulation Certificate

Modeling and Simulation Certificate Requirements

20 Credits

Code	Title	Hours
CS 1400	Fundamentals of Programming	3
MATH 1210	Calculus I (MA) (Prerequisites: MATH 1010 and MATH 1050 and MATH 1060 or MATH 1080 or equivalent placement score)	4
MATH 2050	Applied Statistics with Programming (Prerequisites: MATH 1040 or MATH 1050) or equivalent placement score)	3
or STAT 2040	Business Statistics	
or MATH 3060	Statistics for Scientists	
MATH 2285	Adventures in Modeling	1
MATH 3050	Stochastic Modeling and Applications	3
MATH 3605	Introduction to Modeling and Simulation	3
MATH 4800	Industrial Careers in Mathematics	3

Completion Requirements

1. Complete 20 credit hours of required courses. Prerequisite courses are stacked within other degree plans.
2. Cumulative GPA of 2.0 or higher