



Systems Engineering

Core in the area of Systems combined with a Computer Science (CS) Minor

General Department Requirements (GDR)

Core (CORE)

Course 6 Minor (6M)

Restricted Elective (RE)

Unrestricted Electives (UE)

Humanities, Arts, and Social Sciences (HASS)

	FALL	REQ	SPRING	REQ
Sophomore	1.000 Computer Programming for Scientific & Engineering Applications (12) 1.010 Uncertainty in Engineering (12) 1.101 Intro to CEE Design I (6) 6.0001+6.0002 Introduction to Computer Science (12) HASS (12)	GDR GDR CORE 6M	18.03 Differential Equations (12) 1.074 Intro to Multivariate Data Analysis (6) 1.102 Intro to CEE Design II (6) 6.042 Mathematics for Computer Science (12) HASS (12)	GDR GDR CORE 6M/UE UE
Junior	1.075 Water Resource Systems (12) 1.022 Intro to Network Models (12) 6.008 Introduction to Inference /OR/ 6.004 Computation Structures /OR 6.034 Artificial Intelligence (12) HASS (12)	CORE CORE 6M 6M 6M	1.020 Engineering Sustainability, Analysis and Design (12) 1.041 Transportation Systems Modeling (12) 6.009 Fundamentals of Programming (12) HASS (12)	CORE CORE 6M/UE
Senior	6.006 Introduction to Algorithms (12) 6.031 Software Construction /OR/ 6.036 Introduction to Machine Learning (12) 1.200 Transportation Systems: Performance and Optimization /OR/ 1.208 Resilient Networks (12) HASS (12)	6M/UE 6M/UE 6M/UE RE RE	1.013: Capstone (12) 6.268 Network Science and Models /OR/ 15.053 Optimization Methods (12) 6.170 Software Studio /OR/ 6.046 Design and Analysis of Algorithms (12) HASS (12)	GDR RE RE UE UE

Up to 24 units of the Course 6 minor classes can double count as requirements for Course 1

Please contact cee-apo@mit.edu if you have any questions.