

(For all students in the Program)

Undergraduate Minor Program in Technology Management

Except for those studying in the Department of Industrial Engineering and Decision Analytics, any undergraduate Science or Engineering student with a CGA of 2.5 or above may apply. They must declare their intention to enroll in the minor program no earlier than the first regular term of their second year of study but no later than the last day of the add/drop period in the first regular term of their final year of study. Students who wish to withdraw from the minor program should apply before the last day of the add/drop period in the last regular term of their study.

Minor Requirements

To graduate with a minor in Technology Management, the students must be enrolled in the minor program; complete a minimum total of 18 credits and all of its requirements, as well as all the requirements of their major program of study; and attain an average grade point of at least 2.15 in courses taken within the minor program.

For credit transfer, students can transfer a maximum total of 6 credits to the Minor Program.

Out of the total credits required by the minor program, at least 9 credits should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

Required Course(s)

			Credit(s) attained
IEDA	2200	Engineering Management	3
IEDA		Note: IEDA 3130 <u>OR</u> IEDA 4650 (Students from CENG, CIVL and MECH are recommended to take IEDA 3130. Those from CSE, CPEG and ECE are recommended to take IEDA 4650. Science students may choose either one)	3
IEDA	3130	Ergonomics and Safety Management	3
IEDA	4650	Engineering Psychology	3
IEDA	3230	Engineering Economics and Accounting	3

Elective(s)

			Minimum credit(s) required
SENG		Technology Management Electives (Courses from the specified elective list, of which at least 6 credits must be at the 3000-level or above. Out of these 6 credits at the 3000-level or above, at least 3 credits must at the 4000-level or above. Student may use at most one course from Group 2 to count towards this requirement, provided that the course is not offered by their own major department.)	9
Group 1			
IEDA	2100	Computing in Industrial Applications	3
IEDA	2150	Product Design	3

School of Engineering - Undergraduate Minor Program in Technology Management

IEDA	3010	Prescriptive Analytics	3
IEDA	3150	Manufacturing Processes	3
IEDA	3250	Stochastic Models	3
IEDA	3270	Data-Driven Quality Technology	3
IEDA	4100	Integrated Production Systems	3
IEDA	4130	System Simulation	3
IEDA	4170	Product Design and Lifecycle Management	3
Group 2			
CENG	1700	Introduction to Environmental Engineering	3
CIVL	1140	Environmental Quality Control and Improvement	3
MECH	1906	Mechanical Engineering for Modern Life	3
MECH	2520	Design and Manufacturing I	3