

(For all students in the Program)

Undergraduate Minor Program in Technology Management

Except for those studying in the Department of Industrial Engineering and Logistics Management, 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.

For students admitted in 2012-13 or after, at least 9 credits out of the total credits required by the minor program should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Required Course(s)

			Credit(s) attained
IELM	2200	Engineering Management	3
IELM		Note: IELM 3130 <u>OR</u> IELM 4650 (Students from CENG, CIVL and MECH are recommended to take IELM 3130. Those from CSE, CPEG and ECE are recommended to take IELM 4650. Science students may choose either one)	3
	IELM 3130	Ergonomics and Safety Management	3
	IELM 4650	Engineering Psychology	3
IELM	3230	Engineering Economy	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			
	IELM 2100	Computing in Industrial Applications	3
	IELM 2150	Product Design	3
	IELM 3010	Operations Research I	3
	IELM 3150	Manufacturing Processes	3

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IELM	3250	Operations Research II	3
IELM	3270	Quality Engineering	3
IELM	4100	Integrated Production Systems	3
IELM	4130	System Simulation	3
IELM	4170	Product Design and Lifecycle Management	3
Group 2			
CENG	1700	Introduction to Environmental Engineering	3
CIVL	2410	Environmental Assessment and Management	3
MECH	1906	Mechanical Engineering for Modern Life	3
MECH	2520	Design and Manufacturing I	3