THE UNIVERSITY OF SCRANTON

COLLEGE OF ARTS & SCIENCES

ENGINEERING MANAGEMENT

About the Program

Engineering management combines the disciplines of electrical engineering and business into one undergraduate major. Students gain in-depth technical knowledge coupled with practical expertise in leadership and project management. Graduates complete their studies with a strong engineering background and marketplace-ready skills.

Outcomes & Opportunities

- There are hands-on learning projects within the engineering management program. Many students contribute professional-level work at internship sites. Organizations utilize the findings of faculty-mentored student research.
- Students enter the workplace armed with practical skills and experience. An engineering management degree also qualifies students to enter graduate programs in business or specialized areas of engineering.
- Some examples of jobs include operations engineer, electrical engineer, systems engineer, hardware engineer, equipment breakdown risk engineer and project manager.
- Some of the prestigious graduate schools that have admitted recent engineering graduates include Drexel University, Lehigh University and Philadelphia University.
- You'll find Scranton graduates working at a wide range of companies and organizations including Raytheon, Adtec, Inc., ATEC, Chubb Insurance and InSource Power.

Scranton engineering students achieve top finishes in prestigious regional and national engineering competitions.

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SUCCESS AHEAD

admissions.scranton.edu/engineermgmt

ENGINEERING MANAGEMENT CURRICULUM

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FIRST YEAR			
MAJOR	ECO 153 - (S) Principles of Microeconomics –		
	ECO 154 - (S,) Principles of Macroeconomics	3	3
COGNATE (GE QUAN)	MATH 109 - (Q) Pre-Calculus Mathematics - MATH 114 - (Q) Calculus I		
	or MATH 114 - (Q) Calculus I - MATH 221 - Calculus II	4	4
COGNATE (GE QUAN)	PHYS 140/PHYS 140L - (E) Elements of Physics I		4
GE PHIL - GE WRTG	PHIL 120 - Introduction to Philosophy – WRTG 107 - (FYW) Composition	3	3
GE EP - GE T/RS	ENGR 150 - (FYOC, FYDT) Foundations of Physics & Engineering –		
	T/RS 121 - Theology I: Introduction to the Bible	3	3
GE HUMN	HUMN ELECT - Humanities Elective	3	
GE FSEM	First Year Seminar [2]		
		16	17
SECOND YEAR			
MAJOR	E/CE 240 - Introduction to Computer Engineering	3	
COGNATE (GE QUAN)	PHYS 141/PHYS 141L - (E) Elements of Physics II	4	
MAJOR	ACC 253 - Financial Accounting – ACC 254 - Managerial Accounting	3	3
MAJOR	EM 243L - Digital System Design Laboratory		1
COGNATE	EE 241/EE 241L - (EPW) Circuit Analysis		4
COGNATE	MATH 221 - Calculus II - MATH 222 - Calculus III		
	or MATH 222 - Calculus III - MATH 341 - Differential Equations	4	4
GE T/RS- GE PHIL	PHIL 210 - Ethics –		
	T/RS 122 - Theology II: Introduction to Christian Theology	3	3
		17	15
THIRD YEAR			
MAJOR	EE 343/EE 343L - Electronic Circuits I –		
	EE 344/EE 344L - Electronic Circuits II	4	4
MAJOR	STAT 251 - (Q) Statistics for Business I –		
	STAT 252 - (Q) Statistics for Business II	3	3
MAJOR	EM 351 - Principles of Management –		
	FIN 251 - Introduction to Finance	3	3
MAJOR	OIM 351 - Introduction to Management Science –		
	OIM 352 - Introduction to Operations Management	3	3
MAJOR	EM 462 - Project Management in Organizations		3
COGNATE	PHYS 270 - Elements of Modern Physics	3	
		16	16

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FOURTH YEAR			
MAJOR	MKT 351 - Introduction to Marketing	3	
MAJOR	EE 449/EE 449L - (EPW lab only) Embedded Systems	3	
MAJOR	EM 455 - Business Policy & Strategy		3
GE PHIL - GE T/RS	PHIL ELECT - Philosophy Elective or T/RS ELECT - Theology Elective		3
GE HUMN	HUMN ELECT - Humanities Elective	3	6
GE ELECT	FREE ELECT - Free Elective [3]	6	3
		15	15

Total: 127 Credits

CONTACT INFORMATION

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1.888.SCRANTON *or visit* **admissions.scranton.edu**

[1] *Math Placement may affect the order in which these classes are taken.*

[2] *The selection of a First Year Seminar is likely to fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.*

[3] *ENGR 252 - Solid State Devices & Power Electronics, MGT 484 Special Topics: Negotiations, and/or MGT 471 - Group Dynamics suggested.*

Curriculum grid effective for the 2022-23 academic year in accordance with the undergraduate course catalog.