

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.



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	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	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 2021-22 academic year in accordance with the undergraduate course catalog.