POINT PARK UNIVERSITY

Degree Requirements

MASTER OF SCIENCE IN ENGINEERING MANAGEMENT

2023-2024

Student's Name _____

Student's ID Number_____

Entrance Date _____

Advisor's Name _____

Bachelor's Degree in _____

From _____

PREREQUISITES TO THE MSEM DEGREE				**12**
(Completed at undergraduate level or taken concurrently with MSEM courses)				
___	EGR	101	Intro to Engineering	3
___	CMPS	___	_____	3
___	MATH	175	Elementary Statistics	3
___	MATH	230	Linear Algebra I **OR**	
	MATH	310	Differential Equations	3
REQUIREMENTS				**24**
___	MSEM	500	Managing Engineers, Scientists and Technical Professionals	3
___	MSEM	505	Economic Analysis in Engineering Planning	3
___	MSEM	510	Organizational Behavior	3
___	MSEM	520	Contract Law and the Engineering Enterprise	3
___	MSEM	525	Engineering Project Mgmt.	3
___	MSEM	530	Engineering Analysis I	3
___	MSEM	540	Seminar in Contemporary Issues in Engineering Management	3
___	MSEM	545	Project in Engineering Mgmt.	3
ELECTIVES				**6**
___	____	___	_____	3
___	____	___	_____	3

MINIMUM CREDITS FOR M.S. DEGREE 30

Program Objectives

M.S. IN ENGINEERING MANAGEMENT

Upon successful completion of this program, a student will:

1. Recognize management issues that impact technology-based firms.
2. Be able to optimize the allocation of resources across multiple projects.
3. Gain the skills needed to evaluate, implement and operate engineering projects.
4. Deal with the complex technical, ethical, and legal issues facing the engineering industry.
5. Gain the skills needed to optimize the use of financial principles in decision-making.
6. Achieve expertise in engineering projects through an in-depth study of such projects.