

Ahlia University
COLLEGE OF BUSINESS & FINANCE
MASTER OF SCIENCE DEGREE IN ENGINEERING MANAGEMENT IN COLLABORATION WITH THE
GEORGE WASHINGTON UNIVERSITY

EMSE 23-24

EMSE 23-24 - Foundation * (3 CREDITS)

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
EMSE	197	Special Topics: Quantitative Methods in Engineering Management	6	0	3	
					3	

*Not counted towards the 36 credits necessary for the EMSE degree.

*If required (Students who require Mathematics competency based on undergraduate degree taken)

EMSE 23-24 - FIRST YEAR (24 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
EMSE	XXX	Elective I in EMSE**	X	X	3	
EMSE	XXX	Elective II in EMSE**	X	X	3	
EMSE	410	Survey of Finance and Engineering Economics	6	0	3	
EMSE	001	The Management of Technical Organizations	6	0	3	
					12	

Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
EMSE	020	Decision Making with Uncertainty	6	0	3	
EMSE	XXX	Elective III in EMSE**	X	X	3	
EMSE	XXX	Elective IV in EMSE**	X	X	3	
EMSE	XXX	Elective V in EMSE**	X	X	3	
					12	

EMSE 23-24 - SECOND YEAR (12 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
EMSE	695	Special Topics: Research Methods for the EM	6	0	3	
EMSE	801	Systems Engineering I	6	0	3	
EMSE	692	Negotiation and Conflict Resolution	6	0	3	
EMSE	609	Problems in Engineering Management & Systems Engineering Capstone Project	6	0	3	
					12	

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LIST OF MAJOR ELECTIVE COURSES

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
EMSE	005	Organizational Behavior for the Engineering Manager	6	0	3	
EMSE	026	Technical Enterprises	6	0	3	
EMSE	035	Marketing of Technology	6	0	3	
EMSE	505	Knowledge Management I	6	0	3	
EMSE	770	Techniques of Risk Analysis and Management	6	0	3	
EMSE	790	Logistics Planning	6	0	3	
EMSE	820	Program and Project Management	6	0	3	
EMSE	850	Quantitative Models in Systems Engineering	6	0	3	

** EMSE candidates are required to take five major elective courses from the above list.