

FACULTY OF MECHANICAL ENGINEERING TECHNOLOGY, UNIVERSITI MALAYSIA PERLIS (UniMAP)
MSc. in MANUFACTURING SYSTEMS ENGINEERING (Mixed-Mode)

STUDY MODE	SEM I	CREDIT	SEM II	CREDIT	SEM III	CREDIT	SEM IV	CREDIT
FULL TIME	MSJ10103 Manufacturing System Analysis	3	MSJ10903 Automation and Robotics in Manufacturing	3				
	MSJ10303 Production Planning and Scheduling	3	MSJ13316 Dissertation (Part II)	16				
	MSJ10402 Research Methodology	2	Elective II	3				
	MSJ10803 Lean and Six sigma	3						
	MSJ13304 Dissertation (Part I)	4						
	Elective I	3						
	TOTAL CREDIT	18	22					
PART TIME	MSJ10103 Manufacturing System Analysis	3	MSJ10303 Production Planning and Scheduling	3	MSJ10402 Research Methodology	2	MSJ13316 Dissertation (Part II)	16
	MSJ10803 Lean and Six-sigma	3	Elective II	3	MSJ10903 Automation and Robotics in Manufacturing	3		
	Elective I	3			MSJ13304 Dissertation (Part I)	4		
	TOTAL CREDIT	9	6	9	16			

Core:

MSJ10103 Manufacturing System Analysis
 MSJ10303 Production Planning and Scheduling
 MSJ10402 Research Methodology
 MSJ10803 Lean and Six-sigma
 MSJ10903 Automation and Robotics in Manufacturing
 MSJ13304 Dissertation (Part I)
 MSJ13316 Dissertation (Part II)

Elective:

MSJ10503 Maintenance Engineering
 MSJ10703 Ergonomics and Safety in Industries
 MSJ10603 Project Management
 MSJ11003 Operations Research

TOTAL CREDIT FOR GRADUATION: 40 CREDITS