

Undergraduate Part-Time Programme

AY2025/26 onwards

Academic Unit Requirements

Core	Major PE	CC	PS	BDE	Total
72	6	13	5	0	96

Mechanical Engineering (Part-Time) Year 1, Semester 1

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
EG2810	Mathematics A	4	Core	Nil	Sem 1
PH1012	Physics A	4	Core	Nil	Sem 1
MA2001	Mechanics of Materials	3	Core	Nil	Sem 1
HW0001	Introduction to Academic Communication	0	Core	For students who fail Qualifying English Test	Sem 1
	Total	11			

Mechanical Engineering (Part-Time) Year 1, Semester 2

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA1001	Dynamics	3	Core	Having read PH1012 & EG2810	Sem 2
MA1008	Introduction to Computational Thinking	3	Core	Nil	Sem 2
MA2006	Engineering Mathematics	3	Core	MH2810	Sem 2
CC0005	Healthy Living & Mental Wellbeing	3	CC	Nil	Sem 2
	Total	12			

Mechanical Engineering (Part-Time) Year 2, Semester 1

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA2003	Introduction to Thermo-fluids	3	Core	Nil	Sem 1
MA2024	Engineering Materials & Manufacturing Processes	3	Core	Nil	Sem 1
MA2005	Engineering Graphics	3	Core	Nil	Sem 1
CC0001	Inquiry & Communication in the Interdisciplinary World	2	CC	Nil	Sem 1
	Total	11			

Mechanical Engineering (Part-Time) Year 2, Semester 2

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
EG1001	Engineers in Society	2	Core	Nil	Sem 2
MA2002	Theory of Mechanism	3	Core	MA1001	Sem 2
MA2009	Introduction to Electrical Circuits & Electronic Devices	3	Core	Nil	Sem 2
MA3002	Solid Mechanics and Vibration	3	Core	MA2001	Sem 2
	Total	11			

Mechanical Engineering (Part-Time) Year 2, Special Term

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA2071	Laboratory Experiments (ME)	1	Core	Nil	Special Term
	Total	1			

Mechanical Engineering (Part-Time) Year 3, Semester 1

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA3001	Machine Element Design	3	Core	Having read MA2001, MA2002 & MA2005	Sem 1
MA3010	Thermodynamics and Heat Transfer	3	Core	MA2003	Sem 1
MA3005	Control Theory	3	Core	Having read MA2006	Sem 1
CC0003	Ethics & Civics in a Multi-Cultural World	2	CC	Nil	Sem 1
	Total	11			

Mechanical Engineering (Part-Time) Year 3, Semester 2

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4079	Final Year Project ¹	2	Core	Year 4 standing & Waiver of EID/PI	Sem 1 & 2, Special Term
MA3004	Mathematical Methods in Engineering	3	Core	EG2810	Sem 2
MA3006	Fluid Mechanics	3	Core	MA2003	Sem 2
MA0218	Introduction to Data Science & Artificial Intelligence	3	FC	MA1008	Sem 2
HW0288	Engineering Communication	2	FC	CC0001	Sem 2
	Total	13			

Mechanical Engineering (Part-Time) Year 3, Special Term

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4079	Final Year Project ¹	2	Core	Year 4 standing & Waiver of EID/PI	Sem 1 & 2, Special Term
MA3071	Engineering Experiments (ME)	1	Core	Nil	Special Term
	Total	3			

Mechanical Engineering (Part-Time) Year 4, Semester 1

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4079	Final Year Project ¹	2	Core	Year 4 standing & Waiver of EID/PI	Sem 1 & 2, Special Term
MA4001	Engineering Design	4	Core	Having read MA3001	Sem 1
MA4002	Fluid Dynamics	3	Core	MA3006	Sem 1
MA48XX	Major PE 1	3	Major PE	Nil	Sem 1 & 2
	Total	12			

Mechanical Engineering (Part-Time) Year 4, Semester 2

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4079	Final Year Project ¹	2	Core	Year 4 standing & Waiver of EID/PI	Sem 1 & 2, Special Term
MA48XX	Major PE 2	3	Major PE	Nil	Sem 1 & 2
CC0006	Sustainability: Society, Economy & Environment	3	CC	Nil	Sem 2
CC0007	Science & Technology for Humanity	3	CC	Nil	Sem 2
	Total	11			

Course fees are payable by per AU basis.

¹ Final Year Project is 8 AUs spread over 3 semesters and 1 special term.