

Major Prescribed Electives
(only applicable to AY2021/22 Intake and before)

Part-time students admitted in **AY2019/20 to AY2021/22** will read **three** Major Prescribed Electives (MPE) to fulfill their degree requirements. Those who wish to specialize will have to pass three MPE from the same specialization group.

Part-time students admitted in **AY2018/19 and before** will read **four** Major Prescribed Electives (MPE) to fulfill their degree requirements. Those who wish to specialize will have to pass at least three MPE from the same specialization group.

Specialization is optional. Students may choose any modules from the below groups. Only **one** specialization may be reflected in their transcript.

Manufacturing Engineering

Course Code	Course Title	AU	Course Category	Pre-Requisite	Offered in
MA4842	Engineering Metrology	3	MPE	Nil	Sem 1
MA4845	Additive Manufacturing in Industry 4.0	3	MPE	Nil	Sem 2
MA4853	Manufacturing Systems	3	MPE	Nil	Sem 2
MA4882	Advanced Manufacturing & Materials Processing	3	MPE	MA2004/ MA2024	Sem 1

Systems Engineering

Course Code	Course Title	AU	Course Category	Pre-Requisite	Offered in
MA4849	Operations Research	3	MPE	Nil	Sem 2
MA4850	Supply Chain & Logistics Management	3	MPE	Nil	Sem 1
MA4853	Manufacturing Systems	3	MPE	Nil	Sem 2
MA4854	Quality Assurance & Management	3	MPE	Nil	Sem 2