

## MAJOR PRESCRIBED ELECTIVES

Part-time students admitted in **AY2022/23 onwards** are required to read **two** Major Prescribed Electives (Major PEs) to fulfill their degree requirements. Those who wish to specialize will have to read an additional Broadening & Deepening Elective (BDE) such that they pass one BDE and two Major PEs, with all three from the same specialization group.

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

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

Specialization is optional.

Students may choose any modules from the below specialization groups.

Students can only choose one specialization to be reflected in their transcript.

### Manufacturing Engineering

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4842	Engineering Metrology	3	Major PE / BDE	Nil	Sem 1
MA4845	Additive Manufacturing in Industry 4.0	3	Major PE / BDE	Nil	Sem 2
MA4853	Manufacturing Systems	3	Major PE	Nil	Sem 2
MA4882	Advanced Manufacturing & Materials Processing	3	Major PE	MA2004/ MA2024	Sem 1

### Systems Engineering

COURSE CODE	COURSE TITLE	AU	COURSE CATEGORY	PRE-REQUISITE	COURSE OFFERING IN
MA4849	Operations Research	3	Major PE / BDE	Nil	Sem 1
MA4850	Supply Chain & Logistics Management	3	Major PE / BDE	Nil	Sem 1
MA4853	Manufacturing Systems	3	Major PE	Nil	Sem 2
MA4854	Quality Assurance & Management	3	Major PE / BDE	Nil	Sem 2