

Major Prescribed Electives /Broadening & Deepening Electives
(only applicable to AY2022/23 Intake onwards)

Part-time students admitted in **AY2022/23 and after** are required to read **two** Major Prescribed Electives (MPE) to fulfill their degree requirements. Those who wish to specialize in the **Smart Manufacturing & Digital Factory** specialization will have to read one additional Broadening & Deepening Elective (BDE) over and above the degree requirements, such that they pass a total of two MPE and one BDE, with all three from the **Smart Manufacturing & Digital Factory** specialization and one of the three must be MA4845.

Specialization is optional. Students who do not wish to specialize may choose any modules from the below two tables.

Smart Manufacturing & Digital Factory

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

MPE/BDE that do not count towards any specialization

Course Code	Course Title	AU	Course Category	Pre-Requisite	Offered in
MA4854	Quality Assurance & Management	3	MPE/BDE	Nil	Sem 2