

Conditions for the Award of the Additive Manufacturing Specialisation

The programme leading to the Master of Science degree comprises **30 Academic Units (AUs)**. Students who opt for the Additive Manufacturing specialisation must fulfill these requirements:

- i. Pass all core courses prescribed by the respective Masters programme; and

MSc Mechanical Engineering (Core Courses)

Course Code	Title	AUs
M6104	Advanced Mechanics of Materials	3
M6802	Engineering Measurements	3
M6801	Advanced Thermal Engineering	3
M6803	Computational Methods in Engineering	3

MSc Manufacturing Systems and Engineering (Core Courses)

Course Code	Title	AUs
M6235	Advanced Manufacturing Processes	3
M6236	Manufacturing Control and Automation	3
MA6535	Management of Global Manufacturing	3

- ii. Pass any four of the following Additive Manufacturing courses

Additive Manufacturing Courses

Course Code	Title	AUs
M6421	Advanced Design for Manufacturing	3
M6235	Advanced Manufacturing Processes [@]	3
M6401	Product Design and Development	3
M6423	Prototype & Rapid Prototyping	3
M6816	Laser Assisted Manufacturing	3

[@] Core course for MSc Manufacturing Systems and Engineering (MSE), MSE students need to pass (any) three remaining Additive Manufacturing courses in order to meet the specialisation requirements.

Note: The total number of AUs that a **Master by Coursework programme** student must pass is **30 AUs**. Credits obtained from courses that meet both core and specialisation requirements **cannot** be counted twice. In addition to the above core and specialisation requirements, students are to complete elective courses to make up a total of 30 AUs. Students must also meet a minimum CGPA of 2.5 in order to graduate.