

Diploma in Manufacturing Automation (DMA) – 2 years

School of Mechatronics

Summary

Semester #	Subjects	# Credits	Academic Hours	OJT hours (Internship/ Apprenticeship)
Semester 1 (Year 1)	English, Applied Science, Material Science, Applied Mathematics, Basic Electrical & Electronics Engineering, Engineering Drawing, Manufacturing Technology I	22	450	0
Semester 2 (Year 1)	Communication Skills, Basic of Mechanics, Fundamentals of Mechatronics, Manufacturing Technology II, Industrial Internship I	28	0	640
Semester 3 (Year 2)	Fundamentals of Power Electronics, Basic Hydraulics and Pneumatics, Industrial Automation, Metrology and Quality Control, Fundamentals of Microcontrollers, Introduction to CAD, Electronics Workshop	21	435	0
Semester 4 (Year 2)	Soft Skills, Industry 4.0, CAD CAM, Seminar, Project Work, Industrial Internship II	29	0	640
Total		100	885	1280