

Diploma in Advanced Manufacturing Excellence (DAME) – 3 years

School of Mechatronics

Summary

Semester #	Subjects	# Credits	Academic Hours	OJT hours (Internship/ Apprenticeship)
Semester 1 (Year 1)	English, Basic Mathematics, Basic Science, Fundamentals of Applied Mechanics, Engineering Drawing, Manufacturing Process I, Basics of Mechanical Engineering, Computer Fundamentals I	26	540	0
Semester 2 (Year 1)	Communication Skills, Applied Mathematics, Applied Science, Engineering Materials and Metallurgy, Basic Electrical and Electronics Engineering, Elements of Automobile Engineering, Manufacturing Processes II, Computer Fundamentals II	24	510	0
Semester 3 (Year 2)	Industrial Internship I	24	0	960
Semester 4 (Year 2)	Soft Skills, Intro to CAD, Electronic Manufacturing Processes, Introduction to Metrology and Quality Assurance, Fundamentals of Mechatronics, Industrial Engineering, Environmental Studies, Introduction to Production & Operations Management	23	480	0
Semester 5 (Year 3)	Fundamentals of Industrial Automation, CAD CAM, Introduction to IOT & Industry 4.0, Fundamentals of AI, Industrial Internship II	29	285	640
Semester 6 (Year 3)	Industrial Internship III	24	0	960
Total		150	1815	2560

