

MAIT - B.Tech Programs & Curriculum

This document summarizes all B.Tech programs offered at Maharaja Agrasen Institute of Technology (MAIT), including program names, descriptions, and credit structures. It is designed for quick reference and can be used in AI-driven knowledge retrieval systems.

B.Tech Programs Overview:

1. Computer Science & Engineering (CSE)

Covers programming, data structures, algorithms, computer networks, operating systems, AI, ML, Data Science. Total credits: 216, minimum required: 200.

2. Information Technology (IT)

Focus on software development, databases, networking, web technologies, cloud computing. Total credits: 216, minimum required: 200.

3. Electronics & Communication Engineering (ECE)

Covers digital electronics, analog circuits, communication systems, embedded systems, VLSI. Total credits: 216, minimum required: 200.

4. Electrical & Electronics Engineering (EEE)

Focus on power systems, control systems, electrical machines, renewable energy, and electronics. Total credits: 216, minimum required: 200.

5. Mechanical & Automation Engineering (MAE)

Covers mechanical engineering fundamentals, robotics, automation, thermodynamics, manufacturing. Total credits: 216, minimum required: 200.

6. Artificial Intelligence & Machine Learning (AI & ML)

Focus on AI algorithms, machine learning, deep learning, data analytics, and practical projects. Total credits: 216, minimum required: 200.

7. Data Science (DS)

Covers statistics, data analysis, machine learning, big data, and visualization techniques. Total credits: 216, minimum required: 200.

8. Internet of Things & Cyber Security (IoT & CS)

Covers IoT architecture, embedded systems, network security, ethical hacking, and practical

projects. Total credits: 216, minimum required: 200.

9. Civil Engineering (CE)

Focus on structural engineering, construction materials, design, surveying, and sustainable building. Total credits: 216, minimum required: 200.

10. Mechanical Engineering (ME)

Fundamentals of mechanical systems, design, thermodynamics, manufacturing processes, robotics. Total credits: 216, minimum required: 200.

