

Automotive Service Technician (3 Years / 6 Semesters)

Automotive Service Technician is a skill-based undergraduate program focused on automobile servicing, vehicle diagnostics, repair, maintenance, electrical systems, hybrid vehicles, and industry training. The curriculum generally follows NSQF (National Skills Qualification Framework) guidelines and includes extensive On-the-Job Training (OJT).

Semester I

Subject Code	Subject Name
AST101	Applied Physics
AST102	Applied Chemistry
AST103	Applied Mathematics-I
AST104	Communication Skills
AST105P	Physics Lab
AST106P	Chemistry Lab
AST107	Workshop Technology
AST108P	Automotive Service Technician – Level 3 (OJT)

Semester II

Subject Code	Subject Name
AST201	Basic Electricity
AST202	Basic Electronics
AST203	Applied Mathematics-II
AST204	General Foundation Course
AST205P	Basic Electricity Lab
AST206P	Basic Electronics Lab

Subject Code	Subject Name
AST207	Engineering Drawing
AST208P	Automotive Service Technician – Level 4 (OJT)

These semesters typically include foundational sciences, electrical/electronic systems, and skill training components.

Semester III

Subject Code	Subject Name
AST301	Motor Vehicle Technology-I
AST302	Automobile Electrical Systems
AST303	Two & Three Wheeler Technology
AST304	Automotive Workshop Practice
AST305P	Automobile Electrical Lab
AST306P	Workshop Lab
AST307	Modern Electric & Hybrid Vehicles
AST308P	Automotive Service Technician – Level 5 (OJT)

Semester IV

Subject Code	Subject Name
AST401	Automobile Engine Systems
AST402	Automotive Refrigeration & Air Conditioning
AST403	Vehicle Performance & Testing
AST404	Electric & Hybrid Vehicles-II
AST405P	RAC Lab

Subject Code	Subject Name
AST406P	Vehicle Testing Lab
AST407	Automotive Diagnostics
AST408P	Automotive Service Technician – Level 6 (OJT)

These semesters focus on engine systems, diagnostics, hybrid vehicles, testing, and advanced service operations.

Semester V

Subject Code	Subject Name
AST501	Advanced Automotive Systems
AST502	Vehicle Maintenance Management
AST503	Automotive Service Operations
AST504	Quality Control in Automobile Industry
AST505P	Service Operations Lab
AST506P	Maintenance Workshop
AST507	Customer Relationship Management
AST508P	Industrial Training

Semester VI

Subject Code	Subject Name
AST601	Automotive Workshop Management
AST602	Automobile Entrepreneurship
AST603	Emerging Automotive Technologies
AST604	Vehicle Safety & Emission Control

Subject Code	Subject Name
AST605P	Project Work
AST606P	Major Industry Internship
AST607	Professional Ethics
AST608	Viva Voce