

Automobile Engineering

Automobile Engineering is one of the most advanced courses in engineering that involves making of an automobile, including manufacturing, operation, design and investigation of it during repairs, reconstruction and modification. It involves the designing of automobiles like that of cars, buses, trucks and all kinds of vehicles used for road transportation. The degree in automobile engineering also offers various specialisations in the field of aerodynamics, emissions, chassis, ergonomics, alternative fuels, electronics, materials, motorsport, vehicle, manufacturing, rapid prototyping, pedestrian safety, supply chain management, and power train.

Eligibility Criteria for Automobile Engineering

The degree of automobile engineering is a four-year engineering degree course in BE or B.Tech programmes. The students need to have minimum eligibility of passing their 10+2 board or any equivalent exams from a recognised board with subjects such as Physics, Chemistry, and Mathematics as main subjects. The students should have scored a minimum aggregate of 50 per cent marks in their board exams to be eligible for admissions. Some of the top prestigious institutes like that of the BITS, IIT's and the NIT's require a minimum aggregate score of 60 per cent in board exams. The students of diploma in the mechanical and related stream of electrical or electronics can also take admission through lateral entry entrance examinations in the second year of the engineering program after their completion of Diploma. Students of Bachelor degree in Science are also eligible for lateral entry in the automobile engineering programmes.

Top Colleges for pursuing Automobile Engineering

Rank of College	Name of College, City	Program Fees (Duration)
1	IIT, Delhi	Rs 3.6 lakh for 4 years
2	IIT, Roorkee	Rs 2.9 lakh for 4 years

3	Sathyabama University, Chennai	Rs 1.7-2 lakh for 4 years
4	Manipal Institute of Technology, Manipal	Rs 14.41 lakh for 4 years
5	Hindustan Institute of Engineering Technology (HIET), Chennai	Rs 2-4 lakh for 4 years
6	Madras Institute of Technology, Chennai	Rs 3 lakh for 4 years
7	PSG College of Technology, Coimbatore	Rs 2.2 lakh for 4 years
8	SCMS School of Engineering and Technology, Cochin	Rs 6.25 lakh for 4 years
9	Veermata Jijabai Technological Institute, Mumbai	Rs 2.4 lakh for 4 years
10	SRM University, Chennai	Rs 7.56 lakh for 4 years

Job Roles

Name of Job/Role	Average salary in Rs lakh per annum (2-5 years' work ex)
Sales Officer – Generally recruited in automobile company showrooms that manage the sale of automobiles to customers and also keep an account of the stocks.	2-3
Professor in engineering colleges	7-8
Automobile engineer-responsible for various works of manufacturing, testing and product development in automotive industries.	5-6
Design engineer- responsible for study and research of automotive designs	6-7
Product Development Engineer- in charge of developing, designing and assembling of products in automotive industries.	4-5