

AUTOMOBILE ENGINEER

Automobile Engineering deals with the designing, developing, manufacturing, testing, repairing and servicing automobiles such as cars, trucks, motorcycles, scooters etc and the related sub engineering systems. Automobile Engineering uses the features of different elements of engineering such as mechanical, electrical, electronic, software and safety engineering.- it forms a subset of the larger automotive engineering.

PERSONAL COMPETENCIES

- You have an analytical mind and can think critically
- You enjoy solving problems
- You like being creative
- You like Science and Maths



SCHOLARSHIPS

- **Merit-cum-Means based Scholarship** - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme. *
 - **Indian Oil Educational Scholarship**- The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K. *
 - **"Ishan Uday" Special Scholarship Scheme** - For promoting higher education and for encouraging children belonging to economically weaker section of the NE region, the UGC has launched "Ishan Uday" Special Scholarship Scheme for North Eastern Region students.
 - Visit www.scholarships.gov.in the National Scholarship Portal. Under this portal there are other central government schemes offered by different departments, UGC/AICTE Schemes and State Schemes. *
 - Visit www.buddy4study.com a gateway to scholarships starting from Class XI*
 - Scholarships are also available in the institutes based on merit. *
- *(Availability of these scholarships vary from time to time)

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.
- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.
- All banks give education loans.



The approx. course fee ranges between **INR 2,00,000 - 5,00,000***
*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

ENTRY PATHWAY

1. Complete 10+2 in Science stream with Physics, Chemistry and Maths
2. Complete Bachelor's degree (B.E./B.Tech.) in Automobile Engineering

OR

Complete B.E./B.Tech in Automobile Engineering, followed by Master's degree in Automobile Engineering or Automotive Engineering

OR

Complete Diploma in Automobile Engineering
For admissions to the UG course, you must qualify entrance examinations that are conducted on national/state/university level such as JEE Main, JEE Advanced BITSAT, MHT CET, etc.

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx. salary of an Automobile Engineer ranges between **INR 16,333 - 166,667*** per month or more.

Source : https://www.payscale.com/research/IN/Job=Automotive_Engineer/Salary_per_month.

WHERE WILL YOU WORK

Places of Work: Automobile Engineering industry, Production plants, Service stations, Insurance companies, Transport corporations, Vehicle design companies, Motorsport companies, Fuel companies, and Research labs.

Work Environment: You will work in an office environment. You may occasionally require to work extended hours to meet deadlines. You may work on a full-time basis with an organization, part-time or hourly basis as a freelancer. You may be required to work on rotational shifts.

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH

Automobile Engineer → Project Engineer → Senior Automobile Engineer → Automobile Engineering Manager

OR

Automobile Engineer → Product Engineer → Product Engineering Manager

Search keywords... 

product engineers, manufacturing engineer, development engineer

WHERE WILL YOU STUDY?

This course is offered by the Department of Automobile/Automotive Engineering.
This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. IIT Guwahati (MS in E-Mobility)
2. Assam Engineering Institute, Guwahati (Diploma)
3. Veermata Jijabai Technological Institute, Mumbai
4. Jadavpur University, Kolkata
5. Madras Institute of Technology
6. National Institute of Technology, Patna
7. University Institute of Technology, Bhopal
8. Government College of Engineering and Research, Pune

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC and AICTE before applying)

1. Vellore Institute of Technology
2. Assam Engineering Institute, Guwahati
3. NEIMT, Guwahati
4. PSG Tech Coimbatore
5. Presidency University, Bangalore
6. Lovely Professional University (LPU) (Diploma)
7. PGP Polytechnic College, Tamil Nadu (Diploma)
8. KE Society's Rajarambapu Institute of Technology, Sangli

Information on the institute rankings can be found at -
www.nirfindia.org/2022/Ranking.html

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

ONLINE COURSES

- Coursera-
[in.coursera.org/search?query=sound%20engineering&](https://www.coursera.org/search?query=sound%20engineering&)
- Udemy-
[udemy.com/courses/search/?q=sound+engineering&src=|sac&kw=sound+engineering](https://www.udemy.com/courses/search/?q=sound+engineering&src=|sac&kw=sound+engineering)

EXAMPLE FROM THE FIELD

Poonam Singh is the first woman in the country to complete her Automobile Mechanic course followed by an apprenticeship from the government-run Industrial Training Institute (ITI). She also won a President's Award for the same. As a supervisor at Maruti Suzuki Mann Service Center, Meerut, her job includes assessing every car that enters, ensuring it is serviced properly and handling client queries.*

Source: <https://www.motoroids.com/news/meet-poonam-singh-indias-first-iti-certified-lady-car-mechanic-and-presidents-medal-winner/>

*The above information is for training purposes only and will not be used for any commercial gains.