



Engineering Courses After 12th with Salary

Engineering is one of the most sought-after career options for students after completing their 12th grade, especially for those who have a strong interest in technology, problem-solving, and innovation. At Integral University, Lucknow, aspiring engineers can pursue a variety of engineering courses that open doors to rewarding careers in different sectors. Here's a detailed look at some popular [engineering courses](#), along with the salary prospects for each, to help students make an informed decision.

1. B.Tech in Computer Science Engineering (CSE)

One of the most popular engineering disciplines, [Computer Science Engineering](#) focuses on software development, algorithms, data structures, artificial intelligence, and machine learning. This course prepares students to work in the rapidly evolving tech industry, which offers a wide range of job opportunities.

Salary: On average, a fresher in Computer Science Engineering can earn between ₹4-7 lakhs per annum, with the potential to earn much more as one gains experience, especially in roles such as software developers, data scientists, and IT consultants.

2. B.Tech in Mechanical Engineering

Mechanical Engineering is one of the oldest and broadest engineering branches, dealing with the design, analysis, and manufacturing of mechanical systems. It includes areas like thermodynamics, robotics, and fluid mechanics. Students who pursue this course can work in a variety of industries such as automotive, aerospace, and manufacturing.

Salary: The average salary for a fresh graduate in Mechanical Engineering ranges from ₹3-6 lakhs per annum. With experience, salaries can rise significantly, especially for roles in industries like automotive design, product development, and machine design.

3. B.Tech in Civil Engineering

Civil Engineering focuses on the design, construction, and maintenance of infrastructure like roads, bridges, buildings, and dams. This branch is ideal for students interested in contributing to urban development and working in construction or urban planning.

Salary: Fresh graduates in Civil Engineering typically earn between ₹3-5 lakhs per annum. As one progresses in the field, salaries can increase significantly, especially in roles related to project management, structural design, and urban planning.

4. B.Tech in Electrical Engineering

Electrical Engineering involves the study of electrical systems, circuits, electronics, and power generation and distribution. Students can work in industries such as power generation, electronics, and automation.

Salary: The starting salary for Electrical Engineering graduates ranges from ₹3-6 lakhs per annum, with higher pay in sectors like renewable energy, electrical design, and automation.

5. B.Tech in Electronics and Communication Engineering (ECE)

Electronics and Communication Engineering is a specialized branch that focuses on electronic devices, circuits, communication systems, and networking. ECE graduates can work in industries like telecommunications, consumer electronics, and robotics.

Salary: Fresh ECE graduates earn between ₹3.5-6 lakhs per annum. With experience, they can move into high-paying roles such as network engineers, communication system designers, and electronics specialists.

6. B.Tech in Information Technology (IT)

Information Technology Engineering deals with the development, management, and optimization of computer-based information systems. Students who pursue this course can work in web development, cloud computing, cybersecurity, and software engineering.

Salary: Entry-level salaries for IT engineers range from ₹4-8 lakhs per annum, with significant growth potential as they advance in areas like cybersecurity, data analysis, and system architecture.

7. B.Tech in Biotechnology

Biotechnology is an interdisciplinary field that combines biology and technology. This course is suitable for students interested in research, healthcare, pharmaceuticals, and environmental sustainability. Biotechnology engineers can work in labs, research institutions, and biotech companies.

Salary: The salary for fresh graduates in Biotechnology typically ranges from ₹3-5 lakhs per annum, with higher earnings possible in research roles or senior positions in pharmaceutical and biotech companies.

8. B.Tech in Aerospace Engineering

Aerospace Engineering deals with the design and development of aircraft and spacecraft. This field combines mechanical, electrical, and materials engineering to create high-performance aviation systems. Graduates can work in defense, space agencies, and aviation companies.

Salary: Aerospace Engineering graduates can expect an average salary of ₹5-8 lakhs per annum, with the potential for higher earnings in specialized roles like aircraft design and space exploration.

9. B.Tech in Chemical Engineering

Chemical Engineering involves the application of chemistry, physics, biology, and economics to solve problems related to the production of chemicals, fuel, pharmaceuticals, and food.

Graduates can work in industries such as oil and gas, food processing, and pharmaceuticals.

Salary: Fresh Chemical Engineering graduates can expect salaries ranging from ₹4-7 lakhs per annum, with significant growth in roles like process engineering, chemical plant management, and research and development.