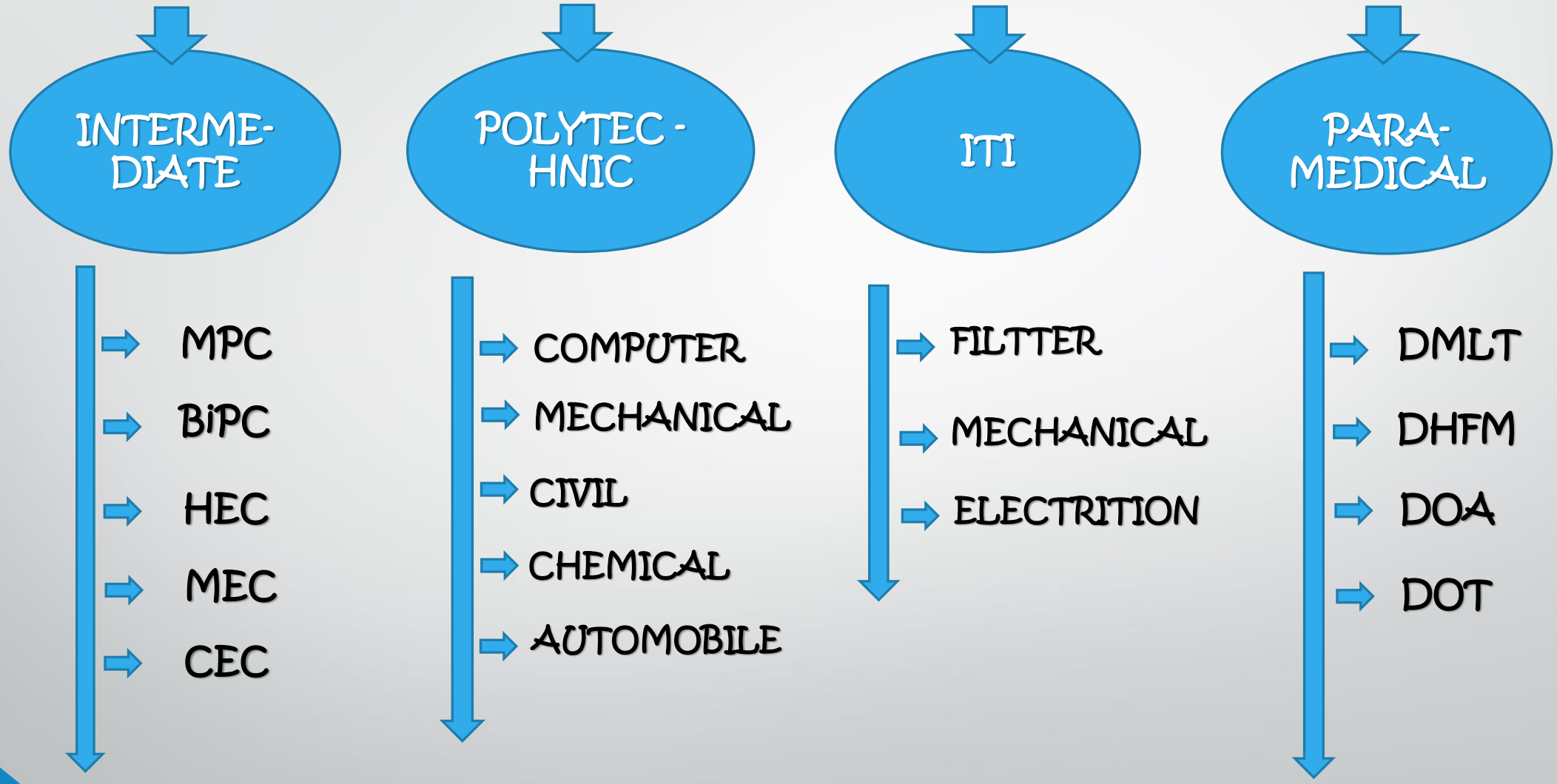
Career Councello

Diploma

Options In Diploma



POLYTECHNIC - CS

INTRODUCTION ABOUT COURSE :

Computer Engineering is a discipline that focuses on the study and development of computer software and hardware. Some of the important topics covered in this branch of engineering include- microcontrollers, microprocessors, software development and testing, circuit design, hardware and networking.

COURSE DETAILS :

Diploma in COMPUTER ENGINEERING is a 3 year program in various Government Polytechnic and other educational institutes .Each year there are 2 semesters and accordingly 6 sem's in total .Subjects in each sem is as given below:

Sem 1:

- Mathematics
- Computer Programming (Introduction)
- Digital Electronics
- Basic Electronics
- Computer Application (Introduction)

Sem 2:

- Mathematics
- Engineering Physics
- Computer Programming (Advanced)
- Basic Electronics
- Web Designing

POLYTECHNIC -CS

Sem 3:

- C++ Programming
- Database Management System
- Operating System
- Data Structure
- Microprocessor and Assembly Language Programming

Sem 4:

- Computer Networks
- Software Development (Basics)
- Database Management System (Advanced)
- Net Programming
- Computer Organization and Architecture
- Web Development Tools

Sem 5:

- Java Programming
- Web Development
- Computer Maintenance
- Elective Subject
- Project

Sem 6:

- Java Programming (Advanced)
- Elective Subjects
- Project

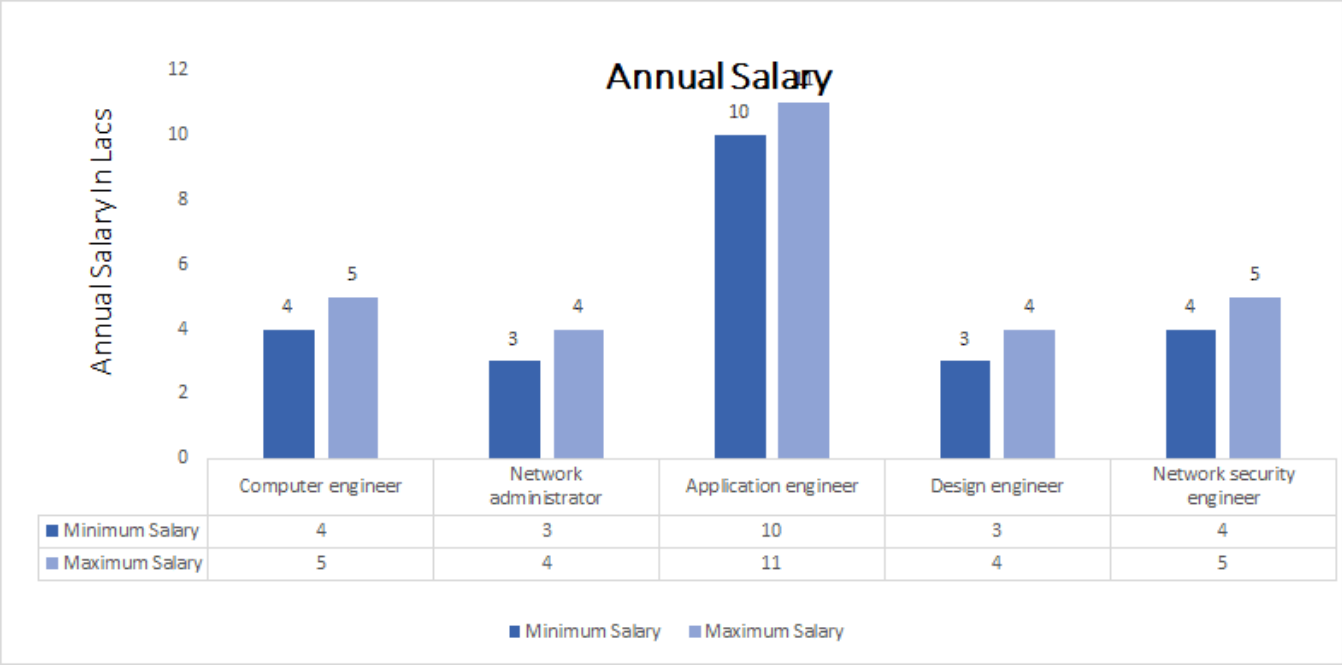
Computer Security, Network Security, Animation and Multimedia, Mobile Computing, Application Development, Networking Management and Administration are some of the elective subjects.

POLYTECHNIC -CS

The Big Question Is What After This ???

After completing the program you can get the direct 2nd year admission in various Government and private Engineering colleges . You will get the Degree and either you can choose to work or study further like M.E/M.TECH or study abroad.

Job's will pay you at least 400000 to 900000 per annum for freshers after you get the Bachelor Degree .



	Computer engineer	Network administrator	Application engineer	Design engineer	Network security engineer
Minimum Salary	4	3	10	3	4
Maximum Salary	5	4	11	4	5

POLYTECHNIC -CS

OBJECTIVE OF THIS COURSE :

The main objective of this course is to make the candidate strong in the current technologies and encourage them to bring up more innovative and inventory ideas in the field of automation that would be helpful in solving real-time problems.

FUTURE SCOPE :

Programming involves a lot of innovations and students who love programming and designing or have a creative mind with a good understanding of coding can get into CSE and fit in very easily. CSE offers some of the highest paying jobs not only in India but also outside. There are people who do freelancing and get paid very well.

POLYTECHNIC - MECH

INTRODUCTION ABOUT COURSE :

Diploma in **Mechanical** Engineering is a course that is pursued after class 10. ... Students who choose the course are taught to form and collect motors and structures, control plants and vehicles of all sizes, understand concepts of mechanics, kinetics, hydraulics , **energy** and vitality.

The course includes the application of laws of physics for design, analysis and manufacturing of mechanical systems.

COURSE DETAILS :

Sem 1:

Mathematics
Physics
Drawing & Graphics
Communication Skills

Sem 2 :

Engineering Mathematics
Applied Mechanics
Mechanical Drafting
Basic Civil Engineering
Material Science

POLYTECHNIC - MECH

Sem 3 :

Manufacturing Engineering
Fluid Mechanics
CADD
Applied Electronics and Electrical Engineering
Strength Material
Thermodynamics

Sem 4 :

Manufacturing Mathematics
Thermal Engineering
Plant Maintenance and Safety
CADD
Metrology and Instrumentation
Theory of Machines

Sem 5 :

Thermal Engineering
Project Work
Design of Machine Elements
Manufacturing Engineering
Elective Subject
Industrial Design
Cost Estimating and Contracting

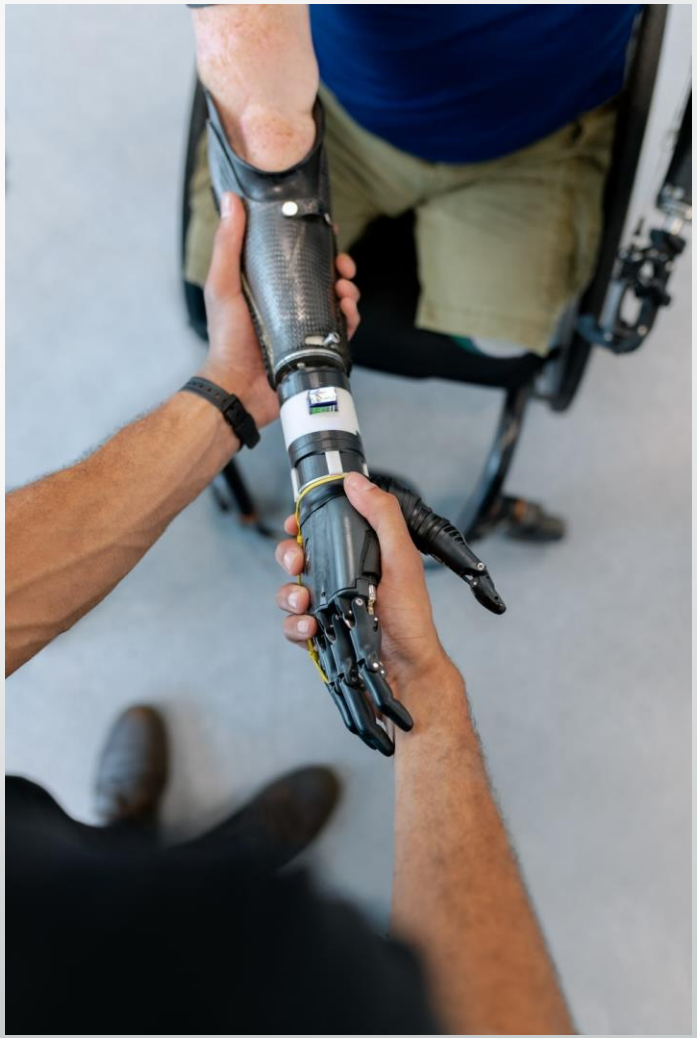
Sem 6 :

Computer-Aided Manufacturing
Elective Subjects
Tool Engineering
Industrial Manufacturing

POLYTECHNIC - MECH

The Big Question Is What After This ???

After completing the program you can get the direct 2nd year admission in various Government and private Engineering colleges . You will get the Degree and either you can choose to work or study further like M.E/M.TECH or study abroad.



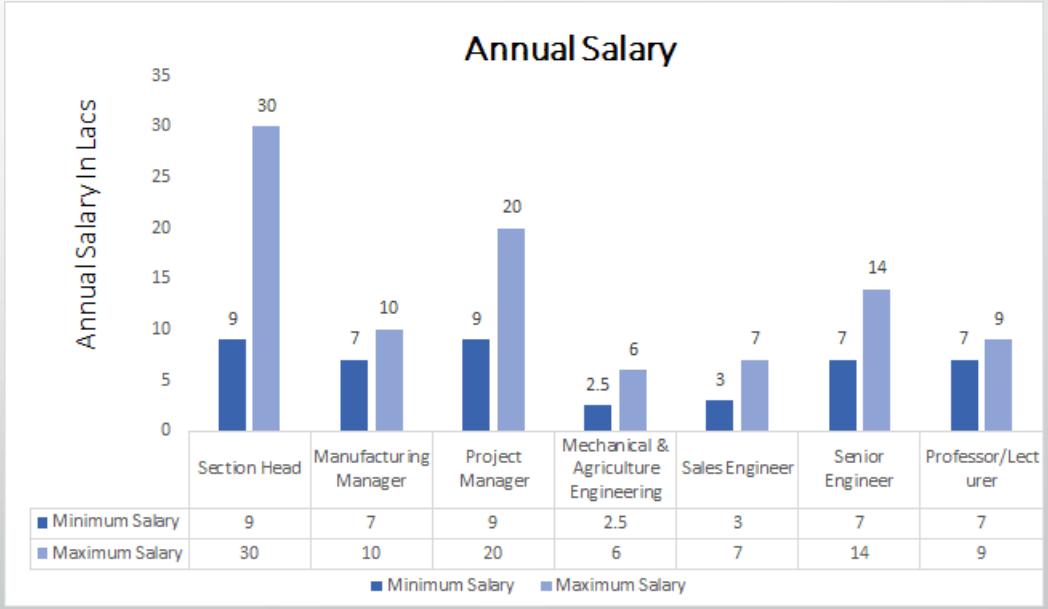
POLYTECHNIC -MECH

OBJECTIVE OF THIS COURSE :

Skill sets of mechanical engineers and their job roles are going to be the biggest driving force behind product development, innovation, patents and quality of manufacturing in India.
Make in India initiative will bring some of the visionary projects of India that will take the industry to next level and also many industrial hubs are developing that will open up lot of opportunities to mechanical engineers.

FUTURE SCOPE :

Programming involves a lot of innovations and students who love programming and designing or have a creative mind with a good understanding of coding can get into CSE and fit in very easily. CSE offers some of the highest paying jobs not only in India but also outside. There are people who do freelancing and get paid very well.



POLYTECHNIC - CIVIL

INTRODUCTION ABOUT COURSE :

Diploma in Civil Engineering is a **3-year** long course in engineering, specializing in the design, construction, and maintenance of physical and naturally-built environment, such as roads, bridges, canals, dams and buildings. The minimum eligibility criterion required for the candidates is to pass 10th with minimum 50% marks

Civil Engineers are engaged in all important building plans carried out by private construction firms, railways projects, military, engineering services, State or central government and consultancy services and structural architecture..

COURSE DETAILS :

Sem 1:

- Mathematics
- Physics
- Drawing & Graphics
- Computer Programming and Utilization
- Environmental Science

Sem 2 :

- Engineering Mathematics
- Applied Mechanics
- Building Drawing
- Applied Chemistry
- Workshop

POLYTECHNIC - CIVIL

Sem 3 :

Building Materials
Construction Technology
Hydraulics
Surveying
Structural Mechanics

Sem 4 :

Structural Mechanics
Advanced Surveying
Soil Mechanics
Water Resource Management
Transportation Engineering
CAD (Computer Aided Drawing/Design)

Sem 5 :

Sanitary Engineering
Water Supply Engineering
Concrete Technology
Cost Evaluation and Estimation
Elective Subject
Project Work

Sem 6 :

RCC Design
Project Management
Quality Control and Monitoring
Elective Subjects
Project Work

POLYTECHNIC - CIVIL

The Big Question Is What After This ???

After completing the program you can get the direct 2nd year admission in various Government and private Engineering colleges for 3 more years . You will get the Degree and either you can choose to work or study further like M.E/M.TECH or study abroad.

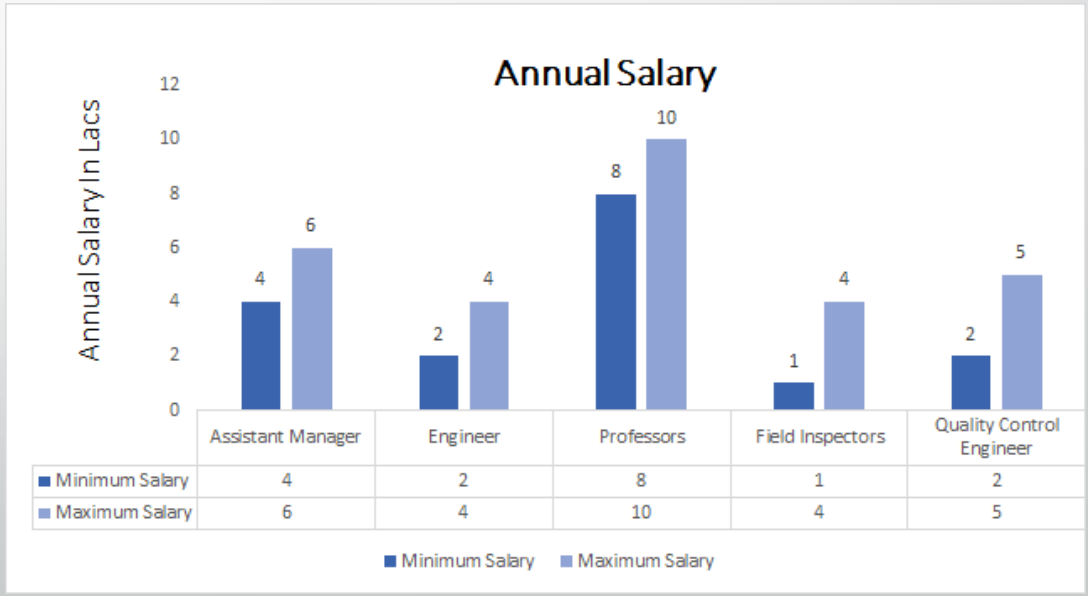
POLYTECHNIC -CIVIL

OBJECTIVE OF THIS COURSE :

Skill sets of civil engineers and their job roles are going to be the biggest driving force behind construction and development of the industries, buildings, status, bridges and much more.
Make in India initiative will bring some of the visionary projects of India that will take the industry to next level and also many industrial hubs are developing that will open up lot of opportunities to civil engineers for their constructions.

FUTURE SCOPE :

Civil Engineers are constantly in great demand for construction, maintenance and repair of communal and other infrastructure. Such professionals are gainfully employed across consultancy firms, quality testing labs, street-based activities and building work. Civil Engineering Diploma-holders may also go for advanced research work in the discipline, or pursue teaching jobs across universities and colleges.



POLYTECHNIC -CHEMICAL

INTRODUCTION ABOUT COURSE :

Diploma in Chemical Engineering is an undergraduate program pursued after 10th grade. The duration of the course is 3 years which can differ based on college norms. The eligibility criteria for the course is qualifying 10th examination with minimum aggregate marks of 45% in Science and Mathematics from a recognized board.

Diploma in Chemical Engineering course offers an integrated study of applying physical science with life science along with mathematics and economics in converting raw materials into finished products.

COURSE DETAILS :

Sem 1:

Mathematics
Basic Chemistry
Inorganic Chemistry
Computer Utilization
Chemical Engineering Drawing

Sem 2 :

Engineering Mathematics
Eng. Physics
Engineering Graphics
Hazard management
Organic Chemistry

POLYTECHNIC - CHEMICAL

Sem 3 :

Chemical Engineering Materials
Mechanical Operations
Fluid Mechanics
Industrial Stoichiometry
Chemical Process Technology

Sem 5 :

Industrial Management
Mass Transfer
Petroleum Refining
Thermodynamics
Utilities and Instrumentation
Project Work

Sem 4 :

Process Heat Transfer
Mass Transfer
Chemical Process Technology
CADD
Pollution Control and Effluent Treatment
Safety and Hazard Management

Sem 6 :

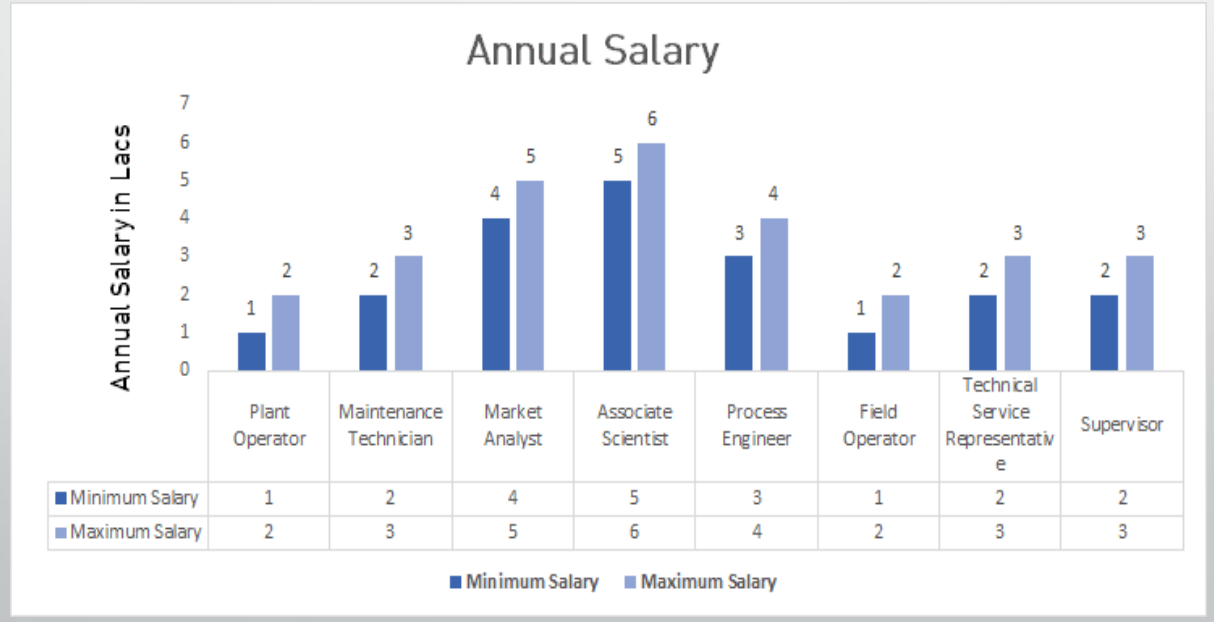
Fertilizer Technology
Chemical Plant Economics
Chemical Reaction Engineering
Elective Subject
Project Work

POLYTECHNIC - CHEMICAL

The Big Question Is What After This ???

After completing the program you can get the direct 2nd year admission in various Government and private Engineering colleges for 3 years . You will get the Degree and either you can choose to work or study further like M.E/M.TECH or study abroad.

Candidates can become Process Engineer, Chemical Engineer, Market Analyst, Field Operator, Associate Scientist, Technical Service Representative, Plant Operator, Maintenance Technician, Supervisor and other such.



POLYTECHNIC -CHEMICAL

OBJECTIVE OF THIS COURSE :

Diploma in Chemical Engineering is a comprehensive study of bringing together physical science i.e. Physics and Chemistry and life science viz microbiology, biochemistry, and biology applying together mathematics and economics in order to convert raw materials into newer products. The program provides the students to get an insight into the workings of the industry. In addition to imparting knowledge of chemical science, the course also exposes to students its application in human science areas as well.

FUTURE SCOPE :

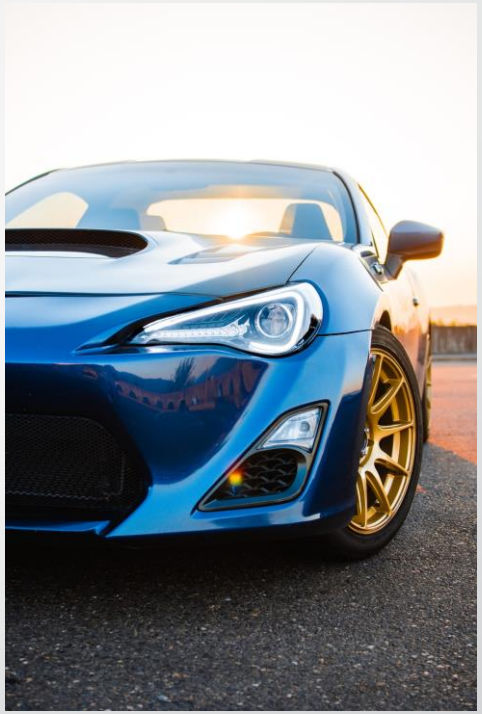
On the successful completion of the course, candidates have the opportunity to start working for chemical and process industries even before pursuing their final year studies. The candidates are employed in sectors of manufacturing dealing in production of basic iron & steel products, inorganic industry chemical sectors, mining as well as textiles and Adhesives industry.

POLYTECHNIC - AUTOMOBILE

INTRODUCTION ABOUT COURSE :

Diploma in Automobile Engineering is a full-time 3-year Diploma level Automobile engineering course. Automobile engineering is the sub-branch of Mechanical Engineering. Candidates who have completed 10th examination with 60% marks and mathematics and science as main subjects of study from a recognized board are eligible for Diploma in Automobile Engineering course.

Diploma in Automobile Engineering course includes mechanical engineering, electronic engineering, electrical engineering, safety engineering as applied to the design, software engineering, manufacture and operation of automobiles, and their respective subsystems.



COURSE DETAILS :

Sem 1:

- Mathematics
- Physics
- Drawing & Graphics
- **Engineering Workshop**
- **Fundamentals of Mechanical Engineering**

Sem 2 :

- **Environment Conservation & Hazard Management**
- **Advance Mathematics**
- **Basic Engineering Drawing**
- **Material Science & Metalligury**
- **Computer Application & Graphics**

POLYTECHNIC - AUTOMOBILE

Sem 3 :

Automobile Petrol Engines
Automobile Electrical System
Fuels & Lubricants
Automobile Pollution Control Engineering
Automobile Transmission

Sem 4 :

Automobile Diesel Engines
Modern Vehicle Technology
Automobile Manufacturing Process
Vehicle Dynamics
Vehicle Body Engineering
Subject from School of IE

Sem 5 :

Automobile Engines Diagnosis & Testing
Automotive infotronics
Two and Three Wheelers
Vehicle Air Conditioning
Motor Vehicle Act & Laws
Technical Seminar
Subject from School of IE

Sem 6 :

Automobile Component Design
Industrial Training
Subject from School of IE

POLYTECHNIC - AUTOMOBILE

The Big Question Is What After This ???

After completing Diploma in Automobile Engineering course, graduates may get opportunities in fields like the Automobile industry, Colleges, and Universities, Communication and Media, Automobiles, Media, Advertising, Electrical and electronic field, Telecom Services, etc. These professionals may work in positions like Automobile Engineer, Design Engineer, Associate Manager, Storekeeper, Production Engineer, Field Service Engineer, Quality Engineer, Assistant Engineer, etc. The average salary for these professionals ranges between INR 2 to 15 Lacs as per their experience and expertise in this field.

Candidates who wish to study more and gain knowledge and skills in Automobile Engineering can further go for higher studies like **Masters in Automobile Engineering**. A lot of opportunities are available for these graduates after completing this course.

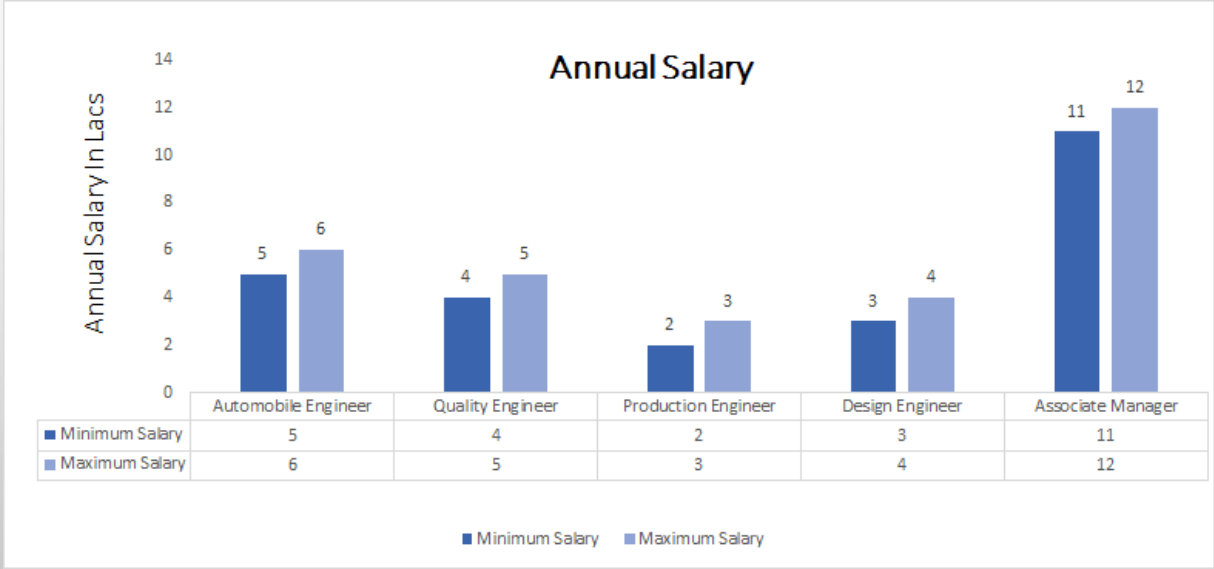
POLYTECHNIC - AUTOMOBILE

OBJECTIVE OF THIS COURSE :

Diploma in Automobile Engineering course helps the candidates to procure the desired merchandise from the automobiles for their personal use. By this study, candidates may learn customer relationships, automobiles and market analysis, also taking a comprehensive view of sales and management. They can discover exciting ways to make a difference in the world of automobiles, and the ability to work within either management or supervisory capacities at all locations.

FUTURE SCOPE :

Top companies offering job opportunities for these professionals are Maruti Suzuki, Ashok Leyland, Honda, TATA, Yamaha, Mahindra, Bajaj, Hyundai, Hero Moto Corp, TELCO, Toyota, etc. Some of foreign companies that offer job opportunities for these professionals are Audi, Renault, Volkswagen, etc.



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TO MAXIMUM PEOPLE AND TAKE TEST BECAUSE THIS WILL ACCURATELY PREDICT YOUR INTEREST .

THANK YOU

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