

COURSES AT A.N.A GROUP OF INSTITUTIONS, BAREILLY.

A.N.A COLLEGE OF ENGINEERING STUDIES

MASTER OF TECHNOLOGY

- **Computer Science Engineering**
- **Electrical Engineering**

➤ **M.TECH. in Computer Science & Engineering**

Department of Computer Science & Engineering holds a position of pride at A.N.A. College of Engineering & Technology.

Master of Technology in Computer Science & Engineering is a **2 year** master's degree in engineering that provides the student the ability to understand fundamental principles of science and technology and to continuously learn multidisciplinary concepts through M.Tech. CSE Syllabus which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

During the duration of two years, students are given exceptional knowledge on technologies in computer science. M.Tech enhances the skills of a candidate and makes him or her specialist in a particular area or field of technology.

M.Tech CSE: Course Highlights

Course Name	M.Tech. in Computer Science & Engineering
Full Form	Master of Technology
Eligibility	Bachelor of Technology (Any Stream) 50% GEN, OBC & 45% SC/ST
Duration	2 years
Course Type	Regular and Part time
Starting Salary	50,000 per month
Job Opportunities	Academics, Corporate, Research and Development, Software Engineers, Data Scientist, AI Specialist, Data Security Manager etc.

➤ **M.TECH. in Electrical Engineering**

Master of Technology in Electrical Engineering is a **2 year** master's degree in engineering that provides the student the ability to design, develop, test and supervise the manufacturing of electrical equipments. Some of the equipments include electric motors; machine controls, lighting, wiring in building; radar and navigation systems; power generation, controlling and transmission devices used by electric utilities. Electrical engineering focuses on the generation and supply of electric power. through M.Tech. EE Syllabus which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

Electrical Engineering is the branch of engineering that involves the study and application of electricity, electromagnetism, and electronics. The subfields include electronics, power engineering, digital computers, telecommunications, RF engineering, control systems, and signal processing.

M.Tech. EE: Course Highlights

Course Name	M.Tech. in Electrical Engineering
Full Form	Master of Technology
Eligibility	Bachelor of Technology (Any Stream) 50% GEN, OBC & 45% SC/ST
Duration	2 years
Course Type	Regular and Part time
Starting Salary	50,000 per month
Job Opportunities	Quality Analysis, Hydro Power Engineer, Govt. Jobs, Research and Development.

BACHELOR OF TECHNOLOGY

- **Computer Science Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**
- **Civil Engineering**
- **Electronics & Communication Engineering**

➤ **B.TECH. in Computer Science & Engineering**

B.Tech in Computer Science is a 4 year bachelor degree in Computer Science & Engineering which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

Computer Science and Engineering graduates are the pillars in the current and emerging Information Technology sector, in U.S. and across the globe, and taking up Jobs in System Software, Computer Engineering, Multimedia, Networking and Communication areas.

Hi-end profiles include Artificial Intelligence, Robotics, and Graphics Solutions.

Laboratory Facilities:

- Software Skill Development Cell (SDC) .NET/PHP/ANDROID.
- Advance Programming Lab & Networks lab.
- Computer based Numerical Statistics and Data structures lab.
- Object oriented programming lab.
- Database management system lab.
- Java lab with System software lab.
- Object oriented analysis & design lab.
- Open source lab. Internet programming lab.
- Computer graphics lab & Web technology lab

B.Tech CSE: Course Highlights

Course Name	B.Tech. in Computer Science & Engineering
Full Form	Bachelor of Technology
Eligibility	12 th - PCM with 50% GEN, OBC & 45% SC/ST / Lateral Entry after Polytechnic
Duration	4 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Academics, Corporate, Software Developer, Website Developer.

➤ **B.TECH. in Mechanical Science & Engineering**

B.Tech in Mechanical Science is a 4 year bachelor degree in Mechanical Science & Engineering which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

Mechanical Engineering deals with an area of science and technology that involves mechanical work pertaining to design and production of devices, machines, processes and conversion systems.

This course prepares the students to become Mechanical Engineers. The students both in theory and practical work in the various areas of Mechanical Engineering such as Machine Design, Stress Analysis, Theory of Machines, Measurements and Automatic Control, Thermodynamics, Thermal Machines, Power Plant Engineering etc.

Laboratory Facilities:

- CAD/CAM Lab
- Measurement & Metrology Lab
- Theory of Machines Lab
- Mechanics of Machines Lab
- Fluid Mechanics lab
- Heat & Mass Transfer Lab
- Refrigeration & Air Conditioning Lab
- Manufacturing Science Lab
- Material Science & Testing Lab
- Workshop

B.Tech ME: Course Highlights

Course Name	B.Tech. in Mechanical & Engineering
Full Form	Bachelor of Technology
Eligibility	12 th - PCM with 50% GEN, OBC & 45% SC/ST / Lateral Entry after Polytechnic
Duration	4 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Design Engineer, Automobile Engineer & Mechanical Engineer etc.

➤ **B.TECH. in Civil Engineering**

B.Tech in Civil Engineering is a 4 year bachelor degree which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

B.Tech in Civil Engineering includes the study of material science, structural designs, construction materials & management. A civil engineer is responsible for planning and designing a project, constructing the project to the required scale, and maintenance of the project. Civil engineering is a branch of engineering that deals with the design, construction and maintenance of the physical environment, including works such as bridges, roads, canals, dams and buildings.

B.Tech CE: Course Highlights

Course Name	B.Tech. in Civil Engineering
Full Form	Bachelor of Technology
Eligibility	12th- PCM with 50% GEN, OBC & 45% SC/ST / Lateral Entry after Polytechnic
Duration	4 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Site Engineer, Construction Engineer & Transport Engineer etc.

➤ **B.TECH. in Electrical Engineering**

B.Tech in Electrical Engineering is a 4 year bachelor degree which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

Electrical Engineering is one of the fastest growing fields that involves study of Electricity & deals with generation, transmission and distribution of electricity, and application of electricity. Electrical Engineers are much in demand in India. Electrical Engineering course is mostly about electricity and its fundamentals. It also covers various topics related to electronics and electromagnetism.

These engineers can work in atomic power plants, hydel or thermal power plants. After getting a degree in electrical engineering, student can also go into teaching field or join a research lab.

Teaching career is also rewarding, with jobs in top engineering colleges of India offering attractive remuneration packages.

Laboratory Facilities:

- Electrical Measurement Lab
- Electromechanical Energy Conversion Lab
- Electrical Simulation Lab
- Electrical Instrumentation Lab
- Power Electronics Lab
- Electric Drives Lab
- Control System & Power System Lab

B.Tech EE: Course Highlights

Course Name	B.Tech. in Electrical Engineering
Full Form	Bachelor of Technology
Eligibility	12th- PCM with 50% GEN, OBC & 45% SC/ST / Lateral Entry after Polytechnic
Duration	4 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Senior Electrical Manager, Control & Instrumentation Engineer, Hydels, Railways etc.

➤ **B.TECH. in Electronics & Communication Engineering**

B.Tech in Electronics & Communication Engineering is a 4 year bachelor degree which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

The main purpose of the department is not only to prepare the students to face the real life opportunities as fabrication of circuit models for which they are made to do various mini and major projects, but also to prepare them in accordance with the developing technology. For this, effective method of teaching is adopted where the theory taught is complemented by well planned practicals.

The programme then provides mastery over advanced topics in Embedded Systems, Wireless Broadband Communications and Digital Signal Processing to enable students straddle the overlapping fields of Electronics, Communications and Computer Science.

Laboratory Facilities:

- Electronics Lab & Microprocessor Lab
- Analog Circuit Lab
- Digital Circuit Lab
- Microprocessor Lab
- Communication Lab
- CAD or electronic circuit Lab
- Measurement & Instrumentation Lab
- Microwave & Optical Communication Lab
- Digital Communication Lab

B.Tech EC: Course Highlights

Course Name	B.Tech. in Electronics & Communication Engineering
Full Form	Bachelor of Technology
Eligibility	12th- PCM with 50% GEN, OBC & 45% SC/ST / Lateral Entry after Polytechnic
Duration	4 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Service Engineer, Network Planning Engineer. Communication Engineer, Telecom Engineer, R&D Software Engineer etc.

A.N.A COLLEGE OF MANAGEMENT STUDIES

BACHELOR OF BUSINESS ADMINISTRATION

Bachelor of Business Administration is a 3 year bachelor degree which is affiliated to **MJP Rohilkhand University, Bareilly.**

Bachelor of Business Administration is designed to give Comprehensive information of the functional areas of a business corporation. The program is designed for the students to enhance their managerial skills, and business decision making capability.

BBA Syllabus is designed to impart adequate business administration skills to the students. BBA Subjects are Principles of Management, Macroeconomics, Human Behavior & Ethics at Workplace, Management Accounting, Banking & Insurance. Courses after BBA includes students doing higher studies in MBA with various MBA specialisation such as MBA in Finance, MBA in HR, MBA in Marketing etc.

BBA: Course Highlights

Course Name	BBA
Full Form	Bachelor of Business Administration
Eligibility	12 th - Any Stream with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	Marketing Executive, Office Executive, Operations Executive, Advertising Executive, Sales Manager, Financial Analyst, Accountant, Banker, Market Research Analyst, etc.

BACHELOR OF COMPUTER APPLICATION

Bachelor of Computer Application is a 3 year bachelor degree which is affiliated to **MJP Rohilkhand University, Bareilly.**

BCA programme sets an ideal foundation for a bright career in Computer Science and Information Technology.

The rapid growth of Computer Science is opening newer avenues almost on a daily basis so huge number of IT professionals are required. Almost all public & private enterprise will have to mandatorily recruit IT professionals to carry out variety of evolving jobs in the next decades.

It comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'java'. This course provides a lot of opportunities to the students who are interested in computer field and wants to work in the IT sector as programmer or software developer.

BCA at A.N.A. GROUP OF INSTITUTIONS has embedded lot of practical learning to supplement classroom lectures.

BCA: Course Highlights

Course Name	BCA
Full Form	Bachelor of Computer Application
Eligibility	12 th - PCM with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	30,000 per month
Job Opportunities	System engineer, Programmer, Web developer, System Administrator, Software developer etc.

MASTER OF BUSINESS ADMINISTRATION (2 Pages because of specialization)

MBA is a 2 year post graduation programme which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow**. Thousands of students and ambitious professionals apply to different types of MBA program each year.

MBA is a highly rewarding career choice. MBA gives you fundamental management knowledge, means a student gets holistic view of business across core areas like Marketing, HR, Finance, and Accounting etc. while developing the required vital soft skills and leadership skills. The objective of this programme is to enable its students to acquire the knowledge and skills in various functional areas of management, required to become successful managers.

MBA programme offers specialization in Marketing, Finance, Human Resource Management, International Business and Information Technology.

Marketing:

The curriculum covers conceptual aspects of Marketing, Customer, Demand, Advertising and Promotion, Channels of distribution, Retailing, E-business, Segmentation, Culture, Pricing etc.

Finance:

The curriculum covers concepts of time, money, risks and their interrelationships. The students are able to understand working of different financial instruments, financial markets, financial institutions, financial analysis, equity research and concepts of stock exchanges.

Human Resource Management:

The curriculum covers concepts of HRD, Human Resource Planning Appraisal, HR audit, Industrial Relations, Wage and Salaries, Administration Labour Laws, Training & Development etc.

International Business:

The curriculum covers International markets, modes of entering international markets, risks in international business, role of WTO, cultural differences, international product and promotion strategies etc.

Information Technology:

The curriculum covers concepts such MIS, DSS, Enterprise Resource Planning, Data Base Management, Data Mining, E-Business, System Analysis & Design, Software Engineering, Data Communication & Network E-Commerce etc.

MBA: Course Highlights

Course Name	MBA
Full Form	Master of Business Administration
Eligibility	Any Graduation with 50% GEN, OBC & 45% SC/ST
Duration	2 years
Course Type	Regular and Part time
Starting Salary	35,000 per month
Job Opportunities	Finance Manager, Financial Advisor, HR Manager, Investment Banker, IT Manager, Management Analyst, Management Consultant, Marketing Manager, Operations Manager.

A.N.A COLLEGE OF PHARMACEUTICAL STUDIES

BACHELOR OF PHARMACY

B.Pharma is a 4 year bachelor degree which is affiliated to **Dr. A.P.J. Abdul Kalam Technical University, Lucknow.**

In Bachelor of Pharmacy students study the methods and process of preparing drugs and how does the dispensing of medicine and drugs takes place. The students those are interested in the medical field (except to become a doctor) can choose this course after the completion of class 12th (PCM/B). After the completion of this degree the students can practice as a Pharmacist. Pharmacists can work in a range of industries related to the prescription, manufacture & provision of medicines.

B.Pharma graduate get a certificate of registration as Pharmacist from the State Pharmacy Council and can start his own Chemist Shop in market or in any hospitals or can get the job in private or government hospitals like Railway Hospital, Army Hospital, District Hospitals, Government Primary Health Care etc.

B.Pharma: Course Highlights

Course Name	B.Pharma,
Full Form	Bachelor of Pharmacy
Eligibility	12 th - PCM / PCB with 50% GEN, OBC & 45% SC/ST
Duration	4 years
Course Type	Regular and Part time
Starting Salary	40,000 per month
Job Opportunities	Analytical Chemist, Food and Drug Inspector, Hospital Drug Coordinator, Drug Therapist, Chemical Technician, Drug Technician, Drug Inspector, Health Inspector etc.

Diploma in PHARMACY

D.Pharma is a 2 year diploma which is affiliated to **Board of Technical Education University, Lucknow.**

Diploma in Pharmacy is a short-range course for aspirants who want to start their career in the field of pharmacy. Pursuing D. Pharm can be a good beginning to understand the fundamentals of pharmacy programme and then pursue advanced course like B. Pharma.

D Pharma being an interesting course, student scores good marks as every subject is having practical too. This programme teaches student how to become attentive professionals so that they can select the correct drug for correct treatment. This course is very beneficial for those students who have interest in working with medicines and have a good thinking towards pharmacy.

D.Pharma: Course Highlights

Course Name	D.Pharma,
Full Form	Diploma in Pharmacy
Eligibility	12 th - PCM / PCB with 50% GEN, OBC & 45% SC/ST
Duration	2 years (Minimum age limit is 17 years)
Course Type	Regular and Part time
Starting Salary	40,000 per month
Job Opportunities	Government Hospital, Private Hospitals, Pharmacy Industry, Clinics etc.

POLYTECHNIC / GTI

- **Civil Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**
- **Mechanical Automobile Engineering**

Polytechnic in Civil Engineering is a 3 year diploma which is affiliated to **Board of Technical Education University, Lucknow.**

This course deals with a wide variety of engineering tasks including designing, and construction activities of public works like roads, bridges, tunnels, buildings, dams, sewage systems, ports etc. and offer challenging opportunities.

Candidates enrolled for the course are offered substantial exposure to reinforced concrete structures, quality control, materials testing, construction management, and entrepreneurship, professional practice and office processes, comprehensive surveying, building drawing, irrigation and bridge drawing, structural engineering drawing. Candidates also get exposure to Software applications such as AUTOCAD & STAAD.

Laboratory Facilities:

- Applied Mechanics Lab & Engineering Drawing
- Computer application for Engg.
- Hydraulics lab
- Manufacturing processes Mechanics of solids lab
- Physics lab
- Surveying Lab
- Public Health Engg. Lab & Structural analysis Lab

Polytechnic CE: Course Highlights

Course Name	Polytechnic CE
Full Form	Polytechnic in Civil Engineering
Eligibility	10th or 12th- PCM with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	25,000 per month
Job Opportunities	Transport Engineer, Infrastructural Engineer, Water Resource Engineer etc.

➤ **Polytechnic in Electrical Engineering**

Polytechnic in Electrical Engineering is a 3 year diploma which is affiliated to **Board of Technical Education University, Lucknow.**

In this course students are taught about the application of electromagnetism, electronics, and electricity. This course provides inputs about electrical equipment, motors, transformers, power grids, switching systems etc.

There are plenty of job opportunities in Government/ Public sector organizations such as State Electricity Boards and PWDS, Municipal Corporations State Housing Boards, Central Government Departments, Indian Railways etc. There are also employment opportunities in the private sector such as maintenance and setting of electrical equipment etc.

Laboratory Facilities:

- Basic Electrical Engg. Lab
- Electrical Engg. Lab
- Electrical Machine Lab

Polytechnic EE: Course Highlights

Course Name	Polytechnic EE
Full Form	Polytechnic in Electrical Engineering
Eligibility	10th or 12th- PCM with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	25,000 per month
Job Opportunities	Electrical Manager, Control & Instrumentation Engineer, Hydels, Railways etc.

➤ Polytechnic in Mechanical Engineering

Polytechnic in Mechanical Engineering is a 3 year diploma which is affiliated to **Board of Technical Education University, Lucknow.**

This course covers Designing, Modification of existing design Mechanical drafting, Estimating & Costing Operations of various machines and their maintenance. They also get adequate exposure latest technology such CAD/CAM & Robotics.

This Course can be studied with Automobile as Specialization.

Laboratory Facilities:

- Engineering Drawing
- Computer Applications
- Hydraulics Machines
- Manufacturing Process
- Mechanics of Solids

Polytechnic ME: Course Highlights

Course Name	Polytechnic ME
Full Form	Polytechnic in Mechanical Engineering
Eligibility	10 th or 12 th - PCM with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	25,000 per month
Job Opportunities	Junior Design Engineer, Automobile Engineer & Mechanical Engineer etc.

➤ Polytechnic in Mechanical Automobile Engineering

Polytechnic in Mechanical Automobile Engineering is a 3 year diploma which is affiliated to **Board of Technical Education University, Lucknow.**

This course is designed to help students gain basic knowledge and skills required by a professional working in the automobile industry.

Diploma in Mechanical Engineering (Automobile) is Diploma level Automobile Engineering course. The course deals with the study of designing, manufacturing and operating automobiles like buses, trucks, cars etc. and their respective engineering subsystems.

Laboratory Facilities:

- Applied Thermodynamics
- Computer Applications
- Hydraulics Machines
- Manufacturing Process
- Automobile Lab
- IC Engine Lab

Polytechnic MEA: Course Highlights

Course Name	Polytechnic MEA
Full Form	Polytechnic in Mechanical Automobile Engineering
Eligibility	10 th or 12 th - PCM with 50% GEN, OBC & 45% SC/ST
Duration	3 years
Course Type	Regular and Part time
Starting Salary	25,000 per month
Job Opportunities	Automobile Engineer, Designer (CAD), Material specialist, Technician, Inspection and Quality Control professional.

➤ **Bachelor of Science in [Nursing](#)**

B.Sc. in Nursing is a 4-year undergraduate course which is affiliated to **Atal Bihari Vajpayee Medical University, Lucknow.**

This course focuses on providing detailed nursing knowledge to medical aspirants. Students who have completed class 12 with Biology as a subject or have completed Diploma in Nursing meet the B.Sc. Nursing Eligibility criteria.

It opens a lot of job opportunities in the healthcare sector. Students can secure high paying jobs in various hospitals. Candidates who are interested in serving society as nurses, midwives, assistants must pursue this course.

Laboratory Facilities:

- Fundamental Nursing – Laboratory
- Midwifery & Child Health Laboratory
- Nutrition Laboratory
- Community Health Laboratory
- Anatomy and Physiology Laboratory.

B.Sc. Nursing: Course Highlights

Course Name	B.Sc. Nursing
Full Form	Bachelor of Science in Nursing
Eligibility	12 th - PCB with 50% GEN, OBC & 45% SC/ST
Duration	4 years
Course Type	Regular
Starting Salary	30,000 per month
Job Opportunities	Case Manager, Certified Nurse Midwife, Clinical Nurse Specialist, Manager/Administrator, Nurse Anesthetist, Nurse Educator, Nurse Practitioner, Staff Nurse.

➤ General Nursing and Midwifery

GNM course is a 3 years 6 months diploma level course with a mandatory internship for 6 months which is affiliated to **State Medical Faculty, Lucknow**.

General Nursing and Midwifery or GNM, focuses on providing skills and knowledge related to patient care and clinical treatment.

GNM is focused on overall nursing training and equips students with multiple skills. It is based on large scale and trains students for providing first aid, team working, assisting in research work, etc.

Laboratory Facilities:

- Midwifery & Child Health Laboratory
- Nutrition Laboratory
- Community Health Laboratory

GNM: Course Highlights

Course Name	GNM
Full Form	General Nursing and Midwifery
Eligibility	12 th - PCB with English Compulsory- 50% GEN, OBC & 45% SC/ST
Duration	3.5 years
Course Type	Regular
Starting Salary	20,000 per month
Job Opportunities	Clinical Nurse Specialists, Legal Nurse Consultants, Forensic Nurse, Travelling Nurse etc.