

Allied Branches with Computer Science, ECE, EVE and Mechanical Engineering

Diploma/B.Tech. / M.Tech. Programs

Computer Science

- Computer Science and Engineering (CSE)
- Information Technology (IT)
- Software Engineering
- Computer Engineering
- Artificial Intelligence and Machine Learning (AI & ML)
- Data Science and Engineering
- Big Data Analytics
- Cybersecurity
- Cloud Computing
- Internet of Things (IoT)
- Embedded Systems
- Robotics and Automation
- Mechatronics
- Electronics and Communication Engineering + CS
- Electrical and Electronics Engineering + CS
- Computer Science and Bioinformatics
- Computer Science and Biomedical Engineering
- Computer Science and Computational Biology
- Computer Science and Biosciences Engineering
- Computer Science and Biophysics
- Computer Science and Design Engineering
- Computer Science and Game Design
- Computer Science and Animation and Visual Effects
- Computer Science and UX/UI (User Experience Design)
- Computer Science and Mathematics
- Computer Science and Statistics
- Computer Science and Quantitative Finance
- Computer Science and Financial Engineering
- Computer Science and Cognitive Science
- Computer Science and Quantum Computing
- Computer Science and Geoinformatics

Note: This is the approved list of allied branches. However, we encourage all interested candidates to apply, as the screening committee will make the final decision regarding shortlisting.

- Computer Science and Digital Forensics
- Computer Science and Operational Research
- Computer Science and Management Information Systems (MIS)
- Computer Science and Techno-Management

B.Sc / M.Sc Programs (Computer Science)

- Computer Science
- Applied Computer Science
- Information Science
- Data Science
- Artificial Intelligence and Cognitive Computing
- Machine Learning and AI
- Mathematics and Computing
- Statistics and Computer Science
- Computational Mathematics
- Bioinformatics
- Computational Biology
- Health Informatics
- Computational Genomics
- Biophysics
- Digital Forensics
- Game Design and Development
- Animation and VFX
- Human-Computer Interaction (HCI)
- UX/UI Design
- Business Analytics
- Quantitative Finance
- Operational Research and CS
- Cognitive Systems (CS + Psychology / Neuroscience)

Note: This is the approved list of allied branches. However, we encourage all interested candidates to apply, as the screening committee will make the final decision regarding shortlisting.

Electronics and Communication Engineering (ECE)

- Electronics and Telecommunication Engineering
- Electronics and Instrumentation Engineering
- Electrical and Electronics Engineering (EEE)
- VLSI Design and Embedded Systems
- Embedded Systems and IoT
- Communication Systems
- Wireless and Mobile Communication
- Signal Processing
- Microwave and Radar Engineering
- Control Systems
- Robotics and Automation
- Cyber-Physical Systems
- Nanoelectronics
- Power Electronics
- Optoelectronics and Photonics
- Instrumentation and Control Engineering
- Electronics and Computer Engineering
- Avionics Engineering
- Mechatronics (with ECE core)
- Biomedical Instrumentation
- Quantum Electronics
- ASIC Design
- DSP (Digital Signal Processing)
- Network and Security (from a hardware perspective)

Note: This is the approved list of allied branches. However, we encourage all interested candidates to apply, as the screening committee will make the final decision regarding shortlisting.

Electronics and VLSI Engineering (EVE)

- Embedded Systems
- Digital Signal Processing (DSP)
- Computer Architecture
- Semiconductor Devices
- EDA Tool Development
- Robotics & IoT
- Nanotechnology
- Microelectronics
- Artificial Intelligence Hardware (AI/ML Chips)

Note: This is the approved list of allied branches. However, we encourage all interested candidates to apply, as the screening committee will make the final decision regarding shortlisting.

Mechanical Engineering

- Mechatronics
- Robotics and Automation
- Automotive Engineering
- Aerospace Engineering
- Industrial and Production Engineering
- Manufacturing Engineering
- Thermal Engineering
- CAD/CAM/CAE
- Engineering Design
- Materials Science and Metallurgical Engineering
- Energy Engineering
- Marine Engineering
- Railway Engineering
- Fluid Mechanics and Hydraulic Machines
- HVAC (Heating, Ventilation, and Air Conditioning)
- Additive Manufacturing / 3D Printing
- Nanotechnology (Mechanical Focus)
- Biomechanical Engineering
- Renewable Energy Technology
- Smart Manufacturing / Industry 4.0
- Nuclear Engineering
- Acoustical Engineering
- Applied Mechanics
- Vehicle Dynamics

Note: This is the approved list of allied branches. However, we encourage all interested candidates to apply, as the screening committee will make the final decision regarding shortlisting.