



ACHARYA INSTITUTE OF GRADUATE STUDIES

Affiliated to BCU



- Engage with renowned faculty and access LinkedIn extensive programs.
- Gain hands-on experience with certifications in AWS, ACCA, and more.
- Expand horizons with international immersion and global exposure.
- Benefit from personalized mentorship for tailored academic support.
- Access a digital library with rich resources for research and growth.
- Enjoy top sports facilities and expert training for holistic development.
- Achieve career success with 550+ companies visiting for placements annually.

B.SC (BACHELOR OF SCIENCE)

About

Science is a field of study that has impacted all our lives from time immemorial. It has shaped the world around us. Science has improved our standards of living, cured diseases, advanced technology, and has always fed our curiosities.

Program Offered

PHYSICS: Physics is a branch of study that deals with the study of matter and energy. The subject matter of physics is wide-encompassing.

MATHEMATICS: Mathematics is the study of numbers, structures, space and change. Based on the utilization of mathematical theories it can be classified into Pure Mathematics and Applied Mathematics.

COMPUTER SCIENCE: Computer Science is the study of computers and computational systems. It deals with algorithms and data structures. These form the building blocks for computer systems.

DATA SCIENCE: Data Science is a specialized program offered by IBM that focuses on the intersection of computer science and data analysis.

Career Scope

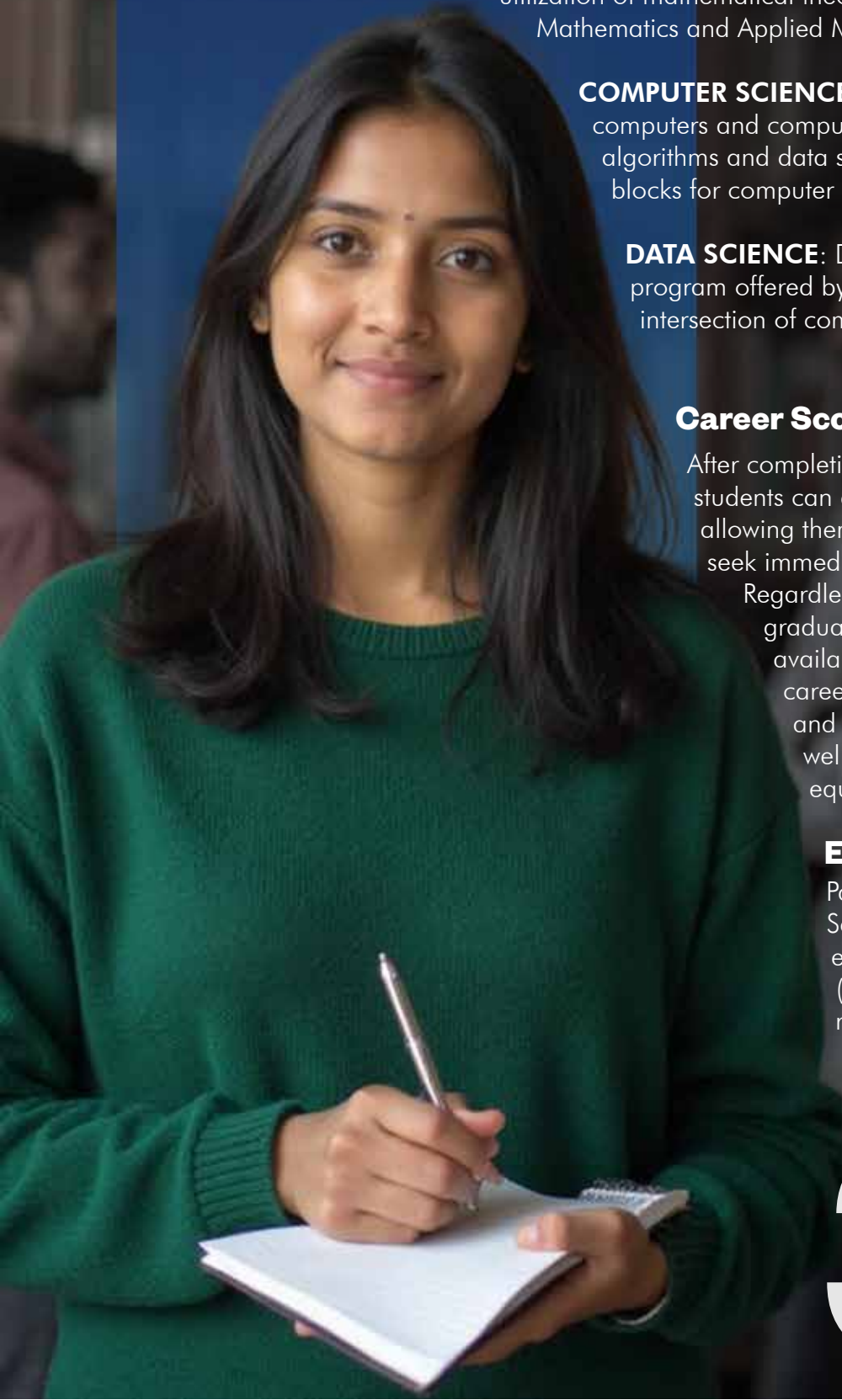
After completing a Bachelor of Science degree, students can explore a wide range of fields, allowing them to opt for higher education or seek immediate employment after graduation.

Regardless of the path they choose, graduates have numerous opportunities available to them. They can pursue careers in government jobs, engineering, and the IT and software industry, as well as in data science and the equipment industry.

Eligibility

Pass in Pre-University / Higher Secondary / 10+2 / 'A' Level or equivalent in Science stream (PCMC or PCMB or PCME) of any recognized board or council.

Duration
3 years



COURSE CONTENT

Semester 1

- Heat And Thermodynamics – 1
- Matrix, Differential Calculus, Integral Calculus
- Problem Solving Techniques Using C

Semester 2

- Mechanics – 2, Heat And Thermodynamics – 2
- Groups, Differential Calculus, Integral Calculus , Differential Equation
- Computer Science -ii Data Structures Using C

Semester 3

- Electricity And Magnetism
- Mathematics - Iii Groups –ii, Sequence And Series Of Real Numbers And Differential Calculus
- Computer Science - Iii Data Base Management Systems And Software Engineering

Semester 4

- Optics And Fourier Series
- Groups-iv, Fourier Series, Mathematical Methods –i, Differential Equations -ii
- Operating Systems And Unix

Semester 5

- Statistical Physics, Quantum Mechanics – I, Atmospheric Physics And Nanomaterials
- Rigs,integral Domians, Fields, Differential Calculus Of Sclar And Vector Fields , Numerical Java Programmingmethods – I

Semester 6

- Astrophysics, Solid State Physics And Semiconductor Physics
- Calculus Of Variation, Line And Multiple Integrals
- Visual Programming
- Atomic, Molecular And Nuclear Physics
- Linear Algebra , Orthogonal Curvilinear Coordinates, Partial Differential Equations
- Web Programming



Acharya Legacy

Founded in 1990, Acharya aims to revolutionize education. With over 12,000 students and 100+ academic programs annually, it stands among the global education elite. Located in India's technical hub, Bangalore, Acharya prioritizes innovation and knowledge. The institution fosters experiential and collaborative learning, shaping well-rounded individuals, evident in its diverse student population from 75+ countries.

11 Institutions

15 Research Centers

100+ Programmes

75+ Nationalities

12000+ Students

1000+ Eminent Faculties

120 Acres State-of-the-Art Campus

B Premnath Reddy
Founder Chairman
Acharya Group

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Academic Studio



Collaboration



Center of Excellence



Clubs



Digital Library



Laboratories



Research



Sports



Hostels



Habba



PROGRAMS OFFERED

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