

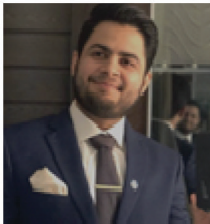


Why Study Computer Science?

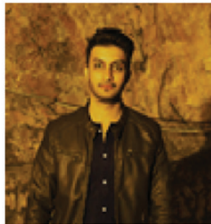
Pakistan's I.T. industry has become one of the most revenue generating industries in the country. Here are some compelling reasons to study Computer Science at COMSATS University Islamabad Lahore Campus:

- Computer Scientists are needed in every type of reasearch and industry.
- On average, software developers and programmers make \$82,000 to \$110,000 a year.
- There is an expected 17% growth in employment opportunities for software development in between the years 2017-2024.
- Computer Science makes up 2/3 of projected new jobs in STEM (Science, Technology, Engineering, and Math).

The following are a few of many success stories of our graduates:



I am Muhammad Bilal Amjad, CS graduate, and a MVP (Most Valued Professional) at Microsoft.



I am Muhammad Wajih-ud-Din, CS graduate, currently serving as a Senior Software Engineer at izc



I am Zain Gohar, CS graduate. I founded and run E-khata which has over 160 clients

Professional Student Bodies & Academies



COMSATS UNIVERSITY ISLAMABAD
LAHORE CAMPUS

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Computer Science Department



Department Highlights

The department offers the most advanced facilities to its students which include:

- Highly Qualified faculty
- State-of-the-art Computing labs
- Purpose built Research labs for postgraduate students
- NCEAC accredited Undergraduate programs
- Incubation support for student startups
- Dedicated academic block



Research Groups

Following are the major research groups that are active in the Department of Computer Science

- Communication Networks Research Center (CNRC)
- Agent Technologies and Information Systems
- Natural Language Processing and Technology (NLPT)
- Software Engineering Research Center (SERC)
- Databases and Operational Intelligence (DOI)
- Vision, Image, Graphics and Robotics (VIGR)
- Web Semantics and Services
- Intelligent Machines & Robotics (IM&R)



Undergraduate Programs

Bachelor of Science in Computer Science (CS)

Study program of BS(CS) consists of 134 credit hours of computing, computer science core courses and specialized courses. Specialized courses include:

- Computational Intelligence
- Distributed Database Systems
- Machine Learning
- Digital Image Processing

Admission Criteria for CS & SE

- Intermediate or equivalent with minimum 50% marks, from an accredited institution
- Valid NTS test score as per COMSATS University Prescribed Criteria

Bachelor of Science in Software Engineering (SE) Non-Engineering

Study program of BS(SE) consists of 136 credit hours of computing, software engineering core courses and specialized courses. Specialized courses include:

- Software Design Methodology
- Information System and Data Processing
- Data Warehousing and Data Mining
- Enterprise Security Architecture



Masters/Ph.D in Computer Science

Specialized courses in the following areas are offered to both MS/Ph.D students:

- Artificial Intelligence & Machine Learning
- Business Intelligence
- Computer Graphics and Visualization
- Computer Networks
- Database Systems
- Multimedia Technologies
- Semantic Web and Service Engineering
- Software Engineering

Admission Criteria for Masters in CS

- A minimum of 16 years degree in CS or IT with minimum of first division (annual system) or CGPA of 2.5/4.0 (semester system) with no third division or D grade in academic career.
- NTS GAT (General, valid for CS) with 50% or higher marks

Admission Criteria for Ph.D in CS

- MS/M.Phil (18 years of education) or its equivalent degree in CS or IT from an accredited institute with minimum 70% marks (annual system) or CGPA 3.0/4.0 (semester system) with no third division or D grade throughout academic career.
- GRE (Subject) as per HEC policy or NTS GAT (Subject) with 60% or higher marks

