

Faculty of Engineering & Technology (FET)

Department of Computer Science & Engineering

Department of Computer Science & Engineering (in the Faculty of Engineering & Technology) started in 1997, and it has grown now into a vibrant centre of teaching and research. The department has a pool of highly qualified excellent teachers and technical staff members as per UGC/AICTE norms. The Department not only offers Under Graduate (UG) and Post Graduate (PG) Programmes in Computer Science & Engineering /Computer Application / IT / Bioinformatics / ECE / Information Security & Cyber Forensics, but is also engaged in high quality research activities leading to Ph.D. degree in different thrust areas of computer science and engineering and intra disciplinary areas viz. Big Data, soft Computing, Neural Network, Artificial Intelligence, Fuzzy Logic, Software Engineering, Data Mining, Information Security, Cyber laws, Cyber Forensics, Computer Architecture, Graph Theory, Computer Networks, Distributed System, Discrete Structure, Robotics, Cognitive Radios, Mobile Computing, DBMS, Algorithms, etc. to list a few. Department has made a lot of contributions towards these areas in the form of publications in journals /conference-proceedings /books/ sponsored research and collobaration with industrial research. The Department offers the following programmes of study:

Programs of study and selection procedure

- ✓ Doctor of Philosophy (Ph.D.) in Computer Science & Engineering
- ✓ Master of Technology (M.Tech.) Information Security & Cyber Forensics
- ✓ Master of Technology (M.Tech.) Computer Science & Engineering
- ✓ Master of Technology (M.Tech.) Computer Science & Engineering (Part Time)
- ✓ Master of Computer Application (MCA)
- ✓ Bachelor of Technology (B.Tech.) Computer Science & Engineering
- ✓ Bachelor of Technology (B.Tech.) Electronics and Communication Engineering
- ✓ Bachelor of Computer Application (BCA)

Undergraduate programs

B. Tech. Computer Science & Engineering (CSE)

- Duration:** Four years (8 Semesters) for each programme.
- Seats:** 120 (CSE) inclusive of seats reserved for NRI / sponsored candidates; additional seats are available for Foreign Nationals.
- Eligibility:** A candidate seeking admission to this program must have passed Senior Secondary (12th / Intermediate) examination with Mathematics and Physics compulsory, and one subject out of the following: Computer Science, Chemistry, Electronics from CBSE or any other Board recognized by Jamia Hamdard as equivalent thereto, securing atleast 50% marks or equivalent CGPA in aggregate.

Selection Procedure: Selection will be based on merit in Paper-1 (B.E./B.Tech.) of JEE (Main) 2016, conducted by CBSE.

In case few of the seats remain unfilled, Jamia Hamdard may admit candidates on the basis of merit of qualifying examination or the merit of internal test and/or Interview conducted by Jamia Hamdard which will be announced separately, if situation arises.

B. Tech. Electronics and Communication Engineering (ECE)

- Duration:** Four years (8 Semesters) for each programme.
- Seats:** 60 (CSE) inclusive of seats reserved for NRI / sponsored candidates; additional seats are available for Foreign Nationals.
- Eligibility:** A candidate seeking admission to this program must have passed Senior Secondary (12th / Intermediate) examination with Mathematics and Physics compulsory, and one subject out of the following: Computer Science, Chemistry, Electronics from CBSE or any other Board recognized by Jamia Hamdard as equivalent thereto, securing atleast 50% marks or equivalent CGPA in aggregate.

Selection Procedure: Selection will be based on merit in Paper-1 (B.E./B.Tech.) of JEE (Main) 2016, conducted by CBSE.

In case few of the seats remain unfilled, Jamia Hamdard may admit candidates on the basis of merit of qualifying examination or the merit of internal test and/or Interview conducted by Jamia Hamdard which will be announced separately, if situation arises.

BCA (Bachelor of Computer Application) / B.Sc. (IT)

- Duration:** 3 years (6 Semesters)
- Seats:** 60 (Inclusive of seats reserved for NRI / sponsored candidates; additional seats are available for Foreign Nationals)
- Eligibility:** A candidate must have passed Senior Secondary (12th Standard/Intermediate) examination with Mathematics as one of the subjects from CBSE or any other Board recognized by Jamia Hamdard as equivalent thereto, securing at least 50% marks or equivalent CGPA in aggregate (OR) passed Senior Secondary (12th Standard/ Intermediate) examination with Commerce background having one paper Accountancy or Business Mathematics, securing at least 50% marks or equivalent CGPA in aggregate; for these candidates a non-credit additional mathematics paper will be floated in the first semester.

Selection Procedure: The admission to the BCA/B.Sc. (IT) programme will be on the basis of merit of the qualifying examination and/or interview to be conducted by Jamia Hamdard.

M. Tech.

M Tech (Information Security & Cyber Forensics)

- Duration:** 2 years (4 Semesters)
- Seats:** 30 (25 General + 5 Sponsored, including NRI). In addition to these seats, 03 seats are available for Foreign Nationals.
- Eligibility:** 60% or equivalent CGPA in B.Tech./BE in Computer Science/Computer Science & Engineering/Computer Engineering/Information Technology/Electronics & Communication/ Electronics Engineering or equivalent degree (OR) 60% or equivalent CGPA in MCA or in M.Sc in IT/Computer Science/Information Science & Technology/Electronics/Software Engineering or an equivalent degree.

Appeared in the Entrance Test or Interview conducted by Jamia Hamdard.

Selection procedure: An Entrance Test or Interview will be conducted based on the syllabus of B. Tech. (CSE/IT) / MCA programmes of Jamia Hamdard.

M Tech (Computer Science & Engineering)

- Duration:** 2 years (4 Semesters)
- Seats:** 30 (25 General + 05 Sponsored, including NRI); in addition to these seats, 03 seats are available for Foreign Nationals.
- Eligibility:** A candidate seeking admission in M. Tech. Computer Science and Engineering must have:

- Passed B.Tech. / B.E. or equivalent degree in Computer Science / Computer Science and Engineering / Computer Engineering / Information Technology / Software Engineering / ICT with atleast 60% marks (or equivalent CGPA) in aggregate (Or) MCA or M.Sc.(CS), M.Sc.(IT), M.Sc.(Software Engineering), M.Sc.(Electronics) with at least 60% marks (or equivalent CGPA) in aggregate (Or) B. Tech. / B.E. or equivalent degree in Electronics & Communication / Electronics Engineering / Electrical Engineering with at least 60% marks (or equivalent CGPA) in aggregate.
- Appeared in the Entrance Test or Interview conducted by Jamia Hamdard.

Selection procedure: An Entrance Test or Interview will be conducted based on the syllabus of B. Tech. (CSE/IT) / MCA programmes of Jamia Hamdard.

M Tech (Computer Science & Engineering) – Part Time

This is a Weekend Programme to facilitate the enhancement of qualifications of the in-service engineers/technocrats besides the fresh candidates. Preference will be given to in-service candidates or to those having working experience. Most of the teaching-learning process of this Weekend Programme will be held during Saturdays/Sundays, but all the Semester-end examinations (Theory and Practical both, and Seminars/Project/Dissertation evaluation etc.) and all other official activities including fees submission, central library service, sports, etc. (except Teaching) will be held during weekdays (Monday to Friday) only. During the semesters with the courses like Project/Dissertation, the guidance by the supervisors will be held during week days and consequently the students during these Project / Dissertation courses of the semesters must be prepared to visit the supervisors for guidance during week days. Candidates before applying for admission must ensure themselves well aware of the above conditions. They must take care of their personal constraints well in advance. For and query / assistance in this respect, the office of the Department of Computer Science, Jamia Hamdard may be contacted.

Duration: 3 years (6 Semesters)

Seats: 60 (50 General, + 10 Sponsored, including NRI); additional 6 seats available for Foreign Nationals.

Eligibility: A candidate seeking admission in M. Tech. Computer Science & Engineering must have:

- Passed B. Tech. / B.E. or equivalent degree in Computer Science / Computer Science and Engineering / Computer Engineering / Information Technology / Software Engineering/ ICT with at least 60% marks (or equivalent CGPA) in aggregate.
(Or)
MCA or M.Sc. (CS), M.Sc. (IT), M.Sc.(Software Engineering), M.Sc. (Electronics) with atleast 60% marks (or equivalent CGPA) in aggregate.
(Or)
B. Tech./B.E. or equivalent degree in Electronics & Communication / Electronics Engineering / Electrical Engineering with at least 60% marks (or equivalent CGPA) in aggregate.
- Appeared in the Entrance Test or interview conducted by Jamia Hamdard.

Selection procedure: An Entrance Test or Interview will be conducted based on the syllabus of B. Tech. (CSE/IT) / MCA Programs of Jamia Hamdard.

Master of Computer Applications (MCA)

Duration: 3 years (6 Semesters)

Seats: 60 (50 General + 10 Sponsored, including NRI); in addition to these seats, 06 seats are available for Foreign Nationals.

Eligibility:

- Passed B.Tech. / B.E. / B.Sc. (Engg.) / BCA / B.Sc. (with Mathematics / IT / CS / Electronics / Physics as one subject passed) examination from a recognized institution/university securing at least 60% marks (or equivalent CGPA) in aggregate.
- Passed at least one paper of Mathematics at Senior Secondary (12th level) or Bachelor's level.
- Appeared in the Entrance Test or Interview conducted by Jamia Hamdard.

Selection procedure: An Entrance Test or Interview will be conducted based on the syllabus of BCA programme of Jamia Hamdard.

PhD

PhD in Computer Science & Engineering

Full Time: Minimum three years (excluding the period of coursework)

Eligibility:

- M. Tech. / ME in Computer Science/IT /Computer Engineering (or in allied field) with at least 60% marks (or equivalent CGPA) in aggregate from any University/Institution recognized by the Association of Indian Universities (AIU)/UGC/AICTE.
- Qualified in GATE or equivalent National Level test conducted by Government agencies such as UGC, CSIR having a valid score/card as on 30th June 2016 will be shortlisted for the interview to be conducted by JH.

Selection Procedure: Candidate qualified in GATE or equivalent National Level test conducted by Government agencies such as UGC, CSIR having a valid score/card as on 30th June 2016 will be shortlisted for the interview to be conducted by JH. Selection will be merit based.

Foreign candidates with essential eligibility qualifications and criteria will have to qualify in a Test (Aptitude Type of Test on the concerned subject and English Proficiency) and then they will be shortlisted for admission into the Ph.D. Programme in Computer Science & Engineering depending upon the availability of seats in the department.

PhD in Computer Science

Full Time: Minimum three years (excluding the period of coursework)

Eligibility:

- MCA / M.Sc. in Computer Science / IT with at least 60% marks (or equivalent CGPA) in aggregate from any University/Institution recognized by the Association of Indian Universities (AIU)/UGC/AICTE.
- Qualified in NET-JRF/NET-LS/GATE or equivalent National Level test conducted by Government agencies such as UGC, CSIR having a valid score/card as on 30th June 2016 will be shortlisted for the interview to be conducted by JH.

Selection Procedure: Candidate qualified in NET-JRF/NET-LS/GATE or equivalent National Level test conducted by Government Agencies such as UGC, CSIR having a valid score/card as on 30th June 2016 will be shortlisted for the interview to be conducted by JH. Selection will be merit based.

Foreign candidates with essential eligibility qualifications and criteria will have to qualify in a Test (Aptitude Type of Test on the concerned subject and English Proficiency) and then they will be shortlisted for admission into the Ph.D. Programme in Computer Science depending upon the availability of seats in the department.

General Note:

For admission to all above programmes of study, “**Equivalence**” of degrees/certificates or nomenclature or about subject area / specialization, the decision of Jamia Hamdard will be final. For this, Jamia Hamdard may ask for further documents from the candidates which they have to produce on or before the date prescribed by the university authority. For any foreign degree, equivalence of your degree is required to be issued by AIU. But, ultimately it is the sole right of Jamia Hamdard authority to accept/reject ‘equivalence’ without giving any explanation.

For admission to various programs in this Faculty,

**Please visit Online Admission Portal at www.jamiahamdard.edu
or www.jamiahamdard.ac.in**

For any further query, please contact: **Dean, Faculty of Engineering & Technology**