

School of Engineering Sciences & Technology (SEST)

This School consists of the Department of Computer Science and Engineering.

Department of Computer Science & Engineering 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 offers Under Graduate (UG) and Post Graduate (PG) Programmes in Computer Science & Engineering / Computer Application / IT / ECE / Information Security & Cyber Forensics, 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 collaboration with industrial research. The School offers the following programmes of study:-

Programs of study and selection procedure

- Ph.D. in Computer Science & Engineering
- Ph.D. in Computer Science
- M.Tech. Information Security & Cyber Forensics
- M.Tech. Computer Science & Engineering
- M.Tech. Computer Science & Engineering- Part time
- MCA
- B.Tech. Computer Science & Engineering
- B.Tech. Electronics and Communication Engineering
- BCA / B. Sc. (IT)

B. Tech.

1. B. Tech. Computer Science & Engineering (CSE) / B. Tech. Electronics and Communication Engineering (ECE)

Duration: Four years (8 Semesters) for each programme.

Seats: 120 (CSE) + 60 (ECE); 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 of JEE (Main) 2017, 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.

2. Bachelor of Computer Application (BCA)

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 passed 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 (OR) passed Senior-Secondary (12th standard/intermediate) examination having one Theory paper Computer Science / Multimedia and Web Technology / Information Technology securing atleast 50% marks or equivalent CGPA in aggregate.

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. programs

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 equivalent degree.

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

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 & 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 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.

Selection procedure: Selection will be based on merit of qualifying examination and Interview.

M.Tech. (Computer Science & Engineering) – Part Time

This is a Part Time 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 done during weekdays and consequently the students during these Project/Dissertation courses of the semesters must be prepared to visit the supervisors for guidance during weekdays. Candidates before applying for admission must ensure themselves for the above conditions.

Duration: 3 years (6 Semesters)

Seats: 60 (50 General, + 10 Sponsored, including NRI); additional 3 seats available for Foreign Nationals.

Eligibility criteria:

- 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 at least 60% marks (or equivalent CGPA) in aggregate. (O r) B.Tech./B.E. or equivalent degree in Electronics & Communication / Electronics Engineering / Electrical Engineering with at least 60% marks (or equivalent CGPA) in aggregate.

Selection procedure: Selection will be based on merit of qualifying examination and Interview.

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 50% 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: Entrance Test or Interview will be conducted based on the syllabus of BCA programmes of Jamia Hamdard.

Ph.D.

- Computer Science & Engineering
- Ph.D. in Computer Science

Eligibility and selection procedure: For eligibility and selection procedure, applicants are advised to go through the PhD Bylaws 2016.

General Note: Wherever required, the “**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 that 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 or reject ‘equivalence’ without giving any explanation.