

ABOUT IIT-JEE Mains:

JEE Main Eligibility Criteria 2018 -CBSE has prescribed JEE Main 2018 eligibility criteria detailing parameters like educational qualification, age limit, qualifying exam, year of appearing, number of attempts and other requirements that need to be met by applicants. Candidates are required to meet JEE Main eligibility criteria 2018 before applying for the entrance exam. Candidates who meet the JEE Main 2018 eligibility criteria can fill the application form by furnishing details like Aadhar card number, name, date of birth and gender. The information filled in by JEE Main candidates will be validated with UIDAI's data to check the eligibility of the applicants. JEE Main is a national level undergraduate engineering exam that is conducted for admission to IITs, NITs & GFTIs and other private institutes. Candidates can check all the details related to JEE Main eligibility criteria 2018 by reading the full article below

JEE Main Syllabus 2019 - Candidates appearing for national level engineering entrance exam must follow the prescribed JEE Main 2019 syllabus to prepare for it. The JEE Main syllabus 2019 is available for all the subjects - Physics, Chemistry and Mathematics. Candidates can download the JEE Main 2019 syllabus from this page. During the press conference, Prakash Javadekar, Union Minister of Ministry of Human Resource Development has specifically highlighted that the syllabus of JEE Main 2019 will not be changed; it will be same as the previous year. JEE Main syllabus 2019 contains subject-wise topics and sub-topics in detail, for both Paper I and II. With the help of JEE Main 2019 syllabus candidates can make their study plan

accordingly and follow it. Not only this, syllabus of JEE Main 2019 will also help candidates to identify which topics are essential and which are not. Apart from the syllabus, candidates can also check the previous year question papers so that they can get an idea about the questions asked in [JEE Main](#). To get the detailed JEE Main 2019 syllabus, read below.

JEE Main Eligibility Criteria 2019

According to the eligibility criteria of JEE Main 2019, candidates will be considered eligible to appear for the exam on the basis of the parameters mentioned below:

- Date of birth of the applicant
- Qualifying exam
- Subjects in the qualifying exam
- Marks obtained in the qualifying exam
- Number of attempts in the qualifying exam

JEE Main 2019 Eligibility Criteria

Eligibility Criteria & Specifications:

Date of Birth:

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| <ul style="list-style-type: none">• Students who are born on or after October 1, 1993 are eligible to apply for JEE Main 2018. |
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- Candidates belonging to Scheduled Caste (SC), Scheduled Tribe (ST) and Persons with Disabilities (PwD), must have been born on or after October.
- 1, 1988 to be eligible for JEE Main. Candidates of these categories have been given a relaxation of 5 years.
- Note: Date of birth will be considered as mentioned in the Secondary Education Board/ University certificate.

Qualifying exam

- Candidates must have passed 12 th class or qualifying exam in 2016 or 2017.
- Candidates who are appearing in class 12 th or qualifying exam in 2018 can also apply for JEE Main 2018.

Subjects/subject combination:

- It is mandatory for candidates to have taken 5 subjects in 12 th or qualifying Exam.

The 5 subjects for B.Tech/ B.E. are:

- 1-Language, 2-Physics, 3-Mathematics, 4-Any one of (Chemistry, Biology, Biotechnology, Technical Vocational Subject), 5-Any other subject

The 5 subjects for B.Arch/ B.Planning are:

- 1-Language, 2-Physics, 3-Mathematics (compulsory), 4-Any one of (Chemistry, Biology, Biotechnology, Technical Vocational Subject), 5-**Any other subject**

- Number of A JEE Main candidate can avail 3 attempts for the national level undergraduate engineering entrance exam.attempts

The following eligibility will be considered during admission, not during appearing in exam or filling the application form.

- For admissions to NITs/ IIITs/ GFTIs, candidates should have secured at least 75% marks in class 12th exam or be in the top 20 percentile in the class 12th exam conducted by the respective board. For SC/ ST candidates, the eligibility criteria is 65% marks in class XII.

JEE Main Eligibility Criteria for Qualifying Examination (QE)

To be eligible for JEE Main 2019, candidates will have to qualify in any of the following exams:

- 10+2 or any equivalent exam, conducted by any recognized Central/ State board like CBSE,
- ICSE, Council for the Indian School Certificate Examinations, New Delhi etc.
- Intermediate or Pre-University Course or Pre-Degree Course examination conducted by a recognized Board/ University.
- Final examination of the 2-year course of the Joint Services Wing of the National Defence Academy.
- Vocational examination of H.S.C.
- National Institute of Open Schooling conducted Senior Secondary School Examination with a minimum of 5 subjects.

- AICTE or State board of technical education recognised Diploma of at least 3 years duration.
- Association of Indian Universities (AIU) recognised school, board, university
- examination in India or in any foreign country recognized as equivalent to the 10+2 system.
- General Certificate Education (GCE) exam (London/ Cambridge/ Sri Lanka) at Advanced level. This is only for admission to IITs.
- High School Certificate Examination by Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office. This is also for admission to IITs.

JEE Main Eligibility Criteria 2018 for Year of appearance in Qualifying Examination (QE)

Candidates who have passed class 10+2 or equivalent examination in 2016 or 2017 or those who will be appearing in class XII or any other equivalent examination in 2018 will be eligible to appear in JEE Main 2018. Those candidates who have passed class 10+2 or any other equivalent examination in 2015 or before and those who will appear in 2019 or later will not be eligible to appear in JEE Main 2018. Candidates who have appeared for their class 12 in 2015, failed in 2015 but have appeared again in 2016 and passed are not eligible for JEE Main 2018.

Subjects in the Qualifying Examination (QE)

It is mandatory for candidates to have at least five subjects in class 10+2 or equivalent examination to be considered eligible for JEE Main 2018. The five subjects for B.Tech/ B.E.

according to CBSE are:

- Language
- Physics
- Mathematics
- Chemistry, Biology, Biotechnology, Technical Vocational Subject (Any one of them)
- Any other subject

Candidates who have appeared for four subjects in their qualifying exam will not be allowed to appear in JEE Main exam. They must have Physics and Mathematics as compulsory subjects and Chemistry, Bio-technology, Computer Science or Biology as one of the optional subjects in their qualifying exam. Pass percentage: The eligibility criteria of JEE Main 2018 does not specify any pass percentage for appearing in the exam. This is because the exam is also an eligibility test for admissions to B.Tech or B.E programmes in states like Madhya Pradesh, Odisha, Nagaland, Haryana, Uttarakhand, Punjab, Chandigarh etc and the percentage required by students in class 12 varies from state to state.

JEE Main 2018 Eligibility Criteria Number of attempts in the Qualifying Examination (QE)

Candidates can appear in JEE Main exams only up to 3 times. Beyond these attempts, the registration of the candidate will not be accepted. Availability of Aadhaar Card It is important for applicants of JEE Main 2018 to have Aadhaar Card because while filling the application form of JEE Main 2018, candidates will have to provide their Aadhaar card number, name, date of birth and gender for identification and authentication purposes. Candidates must ensure that the details provided in their Aadhaar Card matches with that of their school records. In case, the details do not match, then candidates will have to get it rectified in either of them. For candidates who do not have their Aadhaar Cards, they will have to fill an application for Aadhaar enrolment if they are entitled to obtain it as per section 3 of Aadhaar Act. Candidates who do not possess Aadhaar Card and have passed or appearing in Class XII from J&K, Meghalaya, and Assam, will have to enter their passport number, ration card number, bank account number or any other valid Govt. identity number provided that they should select the city of examination in these states only.

JEE Main Eligibility Criteria 2018 (State Code)

The State Code of JEE Main 2018 means the code of the State from where a candidate has passed class 10+2 or equivalent exam on the basis of which he or she will become eligible to appear in the entrance exam.

JEE Main Syllabus 2019: Mentioned below is the detailed syllabus of JEE Main 2019 for candidates reference. By going through the syllabus of JEE Main 2019 candidate can figure out scoring areas and make the study plan accordingly.

JEE Main 2019 Syllabus - Paper I

Mathematics	<ul style="list-style-type: none">• Sets, relations and functions• Complex numbers and quadratic equations• Matrices and determinants• Mathematical reasoning• Mathematical induction• Permutations and combinations• Sequences and series• Lbw, continuity and differentiability• Integral calculus• Differential equations• Binomial theorem and its simple applications• Three dimensional geometry• Vector algebra• Co-ordinate geometry• Statistics and probability• Trigonometry
Physics	<ul style="list-style-type: none">• Physics and measurement<ul style="list-style-type: none">• Kinematics• Thermodynamics• Work, energy and power• Rotational motion• Gravitation• Laws of motion

	<ul style="list-style-type: none"> • Properties of solids and liquids • Electronic devices • Kinetic theory of gases • Oscillations and waves • Communication systems • Current electricity • Magnetic effects of current and magnetism • Electromagnetic induction and alternating currents • Electromagnetic waves • Optics • Dual nature of matter and radiation • Electrostatics • Atoms and nuclei
Chemistry	<ul style="list-style-type: none"> ❖ Physical Chemistry • Some basic concepts in chemistry • States of matter • Atomic structure • Chemical bonding and molecular structure • Chemical thermodynamics • Solutions • Equilibrium • Redox reactions and electrochemistry • Chemical kinetics • Surface chemistry ❖ Organic Chemistry

- Purification and characterisation of organic compounds
- Hydrocarbons
- Chemistry in everyday life
- Principles related to practical chemistry
- Organic compounds containing halogens
- Organic compounds containing oxygen
- Organic compounds containing nitrogen
- Polymers
- Some basic principles of organic chemistry
- Biomolecules
- ❖ **Inorganic Chemistry**
- Classification of elements and periodicity in properties
- Hydrogen
- Block elements (alkali and alkaline earth metals)
- Block elements group 13 to group 18 elements
- D - and f - block elements
- Co-ordination compounds
- Environmental chemistry
- General principles and processes of isolation of metals

JEE Main 2018 Eligibility Criteria for Admissions to NITs, IITs and CFTIs

B.Tech admissions at NITs, IIITs and GFTIS: Candidates must have secured a minimum of

75% marks in their qualifying exams in addition to qualifying in JEE Main 2018 OR must be in

the top 20 percentile of their 10+2 board.

B.Arch/ B.Planning Admissions: Candidates are required to have mathematics as

compulsory subject along with 75% marks in total including five subjects in addition to

qualifying in JEE Main Paper 2.