

1. What are the various degree options available to me at IIT Kanpur after JEE?

At IIT Kanpur, all admissions through JEE will be to 4 year undergraduate programme (B Tech or BS). Once you have begun your BTech/BS programme at IIT Kanpur, you have two other options:

- (i) Changing to a double major programme, which shall mean getting 2 B Tech/BS degrees in different departments within a period of five years.
- (ii) Changing to a dual degree by adding an MBA/MS/M Tech in any department to your BTech/BS degree. This option will also extend your overall time at IIT Kanpur to five years.

You can, of course, continue with your original undergraduate programme and graduate in four years with a single BTech or BS degree.

2. What is a double major?

A double major is like getting two undergraduate degrees in two different departments at the same time. If you decide to get a double major, you would choose this option at the end of 5<sup>th</sup> semester. To choose this option, you will have to have a minimum CPI of 8.0 at the end of the 5<sup>th</sup> semester. A bachelor's degree with a double major would usually require 5 years to complete. For example, a student of Aerospace Engineering may decide to pursue a 2<sup>nd</sup> major in Mechanical Engineering at the end of 5<sup>th</sup> semester, and graduate in five years with a BTech degree in both Aerospace and Mechanical Engineering.

3. If I am pursuing BS in Physics, can I opt for a double major with BTech in EE?

Yes, this is possible. You can do it subject to certain conditions like you must have a CPI > 8.0, and you will have to obtain necessary approval by the concerned authorities in Electrical department and Physics Department. If a lot of students apply for such a thing, there can be screening on some basis, for example on basis of academic performance. Furthermore, only around 10% of the sanctioned strength of the department may be open for candidates for Double Major in any combination.

4. Are there any restrictions over the departments in which I can do a double major?

As such there are no restrictions, but if a lot of students opt for the same department for their second major, students may be screened on some basis. Further only around 10% of the sanctioned strength of the Department is open for candidates for Double Major.

5. What kind of course work would be involved if I opt for a double major?

You will have to complete all the departmental core courses of both the majors, besides the core courses and other graduation requirements that may be decided by the participating departments. This will be possible in a total of 5 years.

6. I have heard that 5 year M.Sc. programme has been changed into a 4 year BS programme. Is this BS degree equivalent to M.Sc.?

A 4-yr BS program is not equivalent to a 5-year M.Sc. programme. IIT Kanpur now only offers entry to a 4-year programme at the time of admission. The BS in Sciences is in the same spirit as BTech in Engineering. This kind of 4-year BS is very common in Western countries.

However, IIT Kanpur offers you the option of changing your 4 year BS programme to a 5 year BS/MS programme. In addition, you now also have the possibility to follow the 4-year BS programme with an MTech in an engineering department, or even an MDes or MBA by spending one extra year. These options are subject of availability of seats and performance of the student. After BS, you are also be directly eligible for pursuing PhD. So in fact you will end up spending a year less if you pursue PhD at IIT Kanpur.

7. Can I pursue an MBA/M Des or PhD after my BTech?

Yes, you can do it, subject to availability of seats and your performance. Pursuing either MDes or MBA would extend your programme by 1 year under normal circumstance. An option for progression further to PhD shall also be there subject to fulfillment of further criteria.

8. Has the B Tech - M Tech Dual Degree programme at IIT Kanpur been discontinued?

No, the B Tech - M Tech. Dual Degree programme at IIT Kanpur has not been discontinued. The only change is that you cannot now get admission directly after JEE into the dual degree programme. After JEE, you will be admitted only into a 4 year programme. But you can opt for a dual degree programme at the end of your 5<sup>th</sup> semester at IIT Kanpur. Your dual degree option may be BTech/MTech, or it could also be BTech/MBA, BTech/MS, or BTech/MDes. Choosing this dual degree option will extend your programme by 1 year.

9. Can I do my BS in economics and MTech in CSE in 5 years?

Yes, you can do it, subject to certain conditions. The criterions that are laid out will depend upon the department in which you wish to pursue the MTech degree and your undergraduate department.

10. Can I pursue a B Tech-M Tech dual degree, along with a double major?

No, pursuing a double major along with a dual degree is not an option.

11. What is meant by credits?

Credits associated with a course are equal to the number of hours a student is expected to study

for that particular course per week including lectures, lab work, tutorials and self-study hours. The normal load in a semester is around 50 credits, which means that students at IIT Kanpur are expected to study at least 50 hours per week.

12. What does it mean to collect credits?

A student collects credits of each course in which he/she registers and obtains a pass grade.

13. What is meant by a minor?

A Minor is a specialization in a specific field. A list of minors offered by IIT Kanpur will be available to you once you join the institute. These minors may be in a single department or even be interdepartmental. You may choose to do a minor in any department except from your own department. For example, if you are a student in Electrical Engineering, you may choose to do a minor in astrophysics if it is offered. To complete a minor, you will have to do courses worth 24-36 credits (3-4 courses) that contribute towards that minor. These courses may be taken through the 'elective' slots in your timetable. Once you have completed all the required courses, you will have a minor which will appear on your transcript (grade sheet). It will NOT appear anywhere on your degree.

14. When do I choose a minor?

You do not have to declare a Minor in advance. Once you have completed all the courses required for a minor, you can claim to have done that minor, and it will appear on your transcript.

15. How shall I know which courses constitute a minor?

The list of minors and courses which constitute a particular minor will be available soon.

16. If I am pursuing MS in Economics will I be able to do a minor in CSE?

Yes, you may. The only restriction on doing a minor is that you cannot do it from your own department. You may choose to do a minor in any other department. All you have to do is collect the required credits that lead up to the minor of your choice.

17. Can I do a Minor along with a Dual Degree or a Double Major?

Yes, you may. But in the case of a double major, you will have to make sure that your chosen minor is not part of either department that you are majoring in. Otherwise, if you are able to collect the required credits for your chosen minor along with the requirements for a double major and/or a dual degree, that minor will appear on your transcript.

18. Are there any CPI restrictions for obtaining a minor?

In principle there are no CPI restrictions. But CPI may come into the picture in case a lot of students demand the same courses. Then students may have to be screened on the basis of CPI.

19. What is the grading system at IIT Kanpur?

The new grading system at IIT Kanpur shall have 7 grades A\*=10, A=10, B=8, C=6, D=4, E=2, F=0. A\* and A carry the same points, but A\* is for exceptional performance in a course. E and F are both fail grades, and a student getting E or F shall have to repeat the course, but E grade can be used to satisfy the pre-requisite requirement for a later course.

20. What is CPI? How is it related to credits?

CPI refers to Cumulative Performance Index. It reflects your weighted average performance in all the courses done by you. It is calculated out of 10. It is the credit weighted average of your grades rounded off to the first decimal place. For example, if you have completed 4 courses having credits 11, 14, 9 and 6 and have obtained the grades A (10), D (4), B (8) and A(10) respectively, then your CPI shall be equal to  $(11*10+14*4+9*8+6*10)/(11+14+9+6) = 7.5$

21. What are the essential requirements that I need to fulfill to graduate from IIT Kanpur?

The graduation requirement for a regular BTech/BS programme is the collection of (395-430) credits worth of courses as specified by the respective Department/Programme. You must pass all the courses to graduate, which means you must get a minimum of D grade in each course.

22. Is there a possibility of graduating before completing 8 semesters?

Yes, there is such a possibility. The minimum residence time for the BTech/BS programme is 7 semesters. But to graduate after 7 semesters, you must satisfy all the graduation requirements by the end of 7 semesters.

23. I have heard about an Engineering Science degree being available, but I could not find it in the options during JEE counseling. What is this option and how can I learn more about it?

The Engineering Science degree is a multi-disciplinary degree programme cross cutting several engineering and science disciplines. The program on Engineering Sciences will enable a student to excel in both engineering and applied sciences, and will offer the student a great degree of flexibility in choosing courses so as to obtain a specialization in a specific track of modern engineering.

This option will not be made available at the time of JEE counseling, but you can opt for this degree programme as a branch change.