

R. 29 Regulation for obtaining B.Chem. Eng./B.Tech with Research Degree

For B. Chem Engineering or B. Tech offered by Institute of Chemical Technology

1. NEP 2020 introduces flexibility for students to obtain advanced research experience during their Bachelors degree via Honors with Research Degree. The same is adopted under new curriculum. *(This option is also available for Integrated M. Tech. students)*
2. The research is to be conducted during Sem V to SEM VIII.
3. Total additional research credits for the Honors degree by Research is 18. The distribution of credits shall be as follows:

Semester	No of Credits
V	2
VI	4
VII	4
VIII	8

4. The student must have CGPA not less than 7.5 at the end of SEM-IV to be eligible for the Honors degree by Research. In case the results of SEM-IV are not available, the results of SEM-III may be taken for the purpose of eligibility.
5. The student is expected to perform Research in the specialization of Major degree within the Department.
6. For Research Mentor allotment, the Faculty Mentors are required to float vacancies and the probable topics. The students will be allotted to Faculty mentors based on their preferences and CGPA as mentioned in point 4 above by the respective Head of the Department.
7. The Faculty Research Mentor must be recognized as a Guide for Masters Degree in the Major Specialization.
8. The evaluation of the students research progress will be carried out at the end of each semester by way of presentation to be made by student from SEM-V to SEM-VII by the Faculty Mentor and another recognized Guide from the Major Specialization to be approved by the respective Head of the Department/Chairperson of the RRC.
9. At the end of Semester VIII, the student will submit a report of the work carried out during the entire period, namely, semesters V to VIII. Student will make a presentation to the evaluation committee consisting of the faculty mentor and another recognized guide from the major specialization.
10. The format of the report will be communicated to the student by the Dean (Academic programmes).
11. The final report must satisfy plagiarism norms laid down by the Institute.

12. The rubric for evaluation of students at the end of SEM-VIII shall be as follows:

Sr. No.	Assessment Criterion	Max Marks
1	Understanding of Research Area	15
2	Problems Formulation / Experimental Design/ Mathematical Modelling	15
3	Quality of Work Done	20
4	Analysis and Interpretation of results	20
5	Quality of report Submitted	10
6	Quality of presentation (jointly by both examiners)	10
7	Answer to questions raised during Viva voce (jointly by both examiners)	10
	Total Marks	100

Guidelines for giving marks

Outstanding: 90%-100%

Excellent: 80%-89.99%

Very Good: 70%-79.99%

Good: 60%-69.99%

Reasonable: 50%-59.99%