

5.11 Master of Science (Research) regulations

The M.S. (Research) programme will comprise of 15 credits of the course work and 36 credits of the research work. The 15 credits of course work should not include any component of minor project. In the first semester the student has to register for a minimum of 09 and a maximum of 15 credits. In the first semester, the part-time students can only register for course work with minimum and maximum limits of 3 and 12 credits, respectively. The course work must be completed by the end of third semester; otherwise the registration of the student will stand cancelled.

The larger project component gives the student an opportunity to conduct in-depth investigation on a topic of his/her interest. The project will be monitored by the Student Research Committee (SRC) and the students will have to register for thesis (project course no. xxD895, 'xx' is department/school code) for 36 credits. An 'X' grade is awarded at the end of each semester until the project work gets completed and the thesis is written. Nominally the M.S.(R) programme is expected to take 4 semesters (excluding summer). Upon completion of project work, a thesis is written that is evaluated by one internal and one external examiner. Upon satisfactory recommendations from the examiners, the thesis defence can be conducted before a committee. Conversion to Ph.D. is also possible. For further details, see the "Rules and Regulations for Master of Science (Research) Programme" booklet.

5.12 Migration from one PG programme to another PG programme of the institute

Provision exists for the PG students of the institute to move from (i) M.Tech./M.S.(R) to Ph.D., (ii) M.Tech. to M.S.(R), and (iii) M.S.(R) to M.Tech. as per details given in the table below:

	M.Tech./M.S.(R) to Ph.D.	M.Tech. to M.S.(R)	M.S.(R) to M.Tech.
Timing	> 1st Sem.	> 1st Sem. & ≤ 3rd Sem.	> 1st Sem. & ≤ 3rd Sem.
Eligibility	≥ 8.0 SGPA/CGPA & ≥ 12 credits	≥ 12 credits	≥ 12 credits
Admission	DRC/CRC (Evaluation)	DRC/CRC (Evaluation)	DRC/CRC (Evaluation)
Credits	Credits transfer as recommended by DRC/CRC	Credits transfer as recommended by DRC/CRC	Credits transfer as recommended by DRC/CRC
Duration	Max. 7 years from date of joining M.Tech./M.S.(R)	Max. 5 years from date of joining M.Tech.	Max. 5 years from date of joining M.S. (R)

Full-time M.Tech. and M.S.(R) students of IIT Delhi interested in joining the Ph.D. programme within two years of completion of their M.Tech./M.S.(R) will be granted waiver of residency period. The course work requirements be made up by either additional credits (6 credits as per present norms) taken during their M.Tech./M.S.(R) period (over and above their minimum Degree requirements) or in the summer semester (first or second) by identifying courses. In all cases, the request for such credit transfer be recommended by the concerned DRC/CRC/SRC as relevant to their respective Ph.D. programmes.

5.13 Doctor of Philosophy (Ph.D.) regulations

The award of Ph.D. degree is in recognition of high achievements, independent research and application of scientific knowledge to the solution of technical and scientific problems. Creative and productive enquiry is the basic concept underlying the research work. In order to overcome any deficiency in the breadth of fundamental training or proper foundation for advanced work, special preliminary or pre-Ph.D. courses are given by each department/centre/School. These courses are given either by faculty members or by guest-speakers and specialists in the field of research.

5.13.1 Course requirements

Candidates admitted to non-engineering departments and having a B.Tech./M.Sc./M.A. or equivalent degree are required to complete a minimum of 12 credits. Relaxation up to 6 credits in the course work can be considered for those with M.Phil. degree. The requirement of pre-Ph.D. Course Credits/work for Ph.D. student admitted to engineering department and having a B.Tech. and M.Sc. Degree is 20 credits.

Table 10. Continuation of Registration and Graduation Requirements for Postgraduate Programmes

Degree	Registration limits (Per semester)	Criteria for continuation of registration	Graduation requirements		
			Valid Credits (\$)	Minimum DGPA	Max. Period of stay
D.I.I.T. (Naval Construction)	Minimum 12 credits Maximum 20 credits	CGPA > 5.0 at the end of each semester.	49	6.0	6 sem. #
M.Sc., Chemistry	Minimum 12 credits Maximum 26 credits	(i) The minimum acceptable performance level in any registered semester is SGPA of 5.0. However, at the end of the 1st registered semester, a student with SGPA of 4.0 or more will be permitted to continue. If the SGPA is less than 4.0 then registration will be terminated. (ii) If at the end of any registered semester, the SGPA is less than 5.0 then the student will be issued a warning letter and placed on probation; a copy of the warning letter will be sent to the parents. The Chairperson DRC/CRC shall assess the feasibility of completing degree requirements and identify remedial measures for problems leading to poor performance. (iii) If a student is on probation and his/her academic performance is below the minimum acceptable level in the following registered semester then his/her registration will be terminated. (iv) The registration of any student will be limited to 1.25 times the average earned credits of the previous two registered semesters, subject to a minimum of 15 credits and a maximum of 26 credits.	75-81	5.0	6 sem.
M.Sc., Mathematics					
M.Sc., Physics					
M.Tech., Full Time	Minimum 09 credits Maximum 15 credits	(i) The minimum acceptable performance level in any registered semester is SGPA of 6.0. However, at the end of the 1st registered semester, a student with SGPA of 5.0 or more will be permitted to continue. If the SGPA is less than 5.0 then registration will be terminated. (ii) If at the end of any registered semester the SGPA is less than 6.0, then the student will be issued a warning letter and placed on probation; a copy of the warning letter will be sent to Chairperson DRC/CRC. The Chairperson DRC/CRC shall assess the feasibility of completing degree requirements and identify remedial measures for problems leading to poor performance.	48-54 credits	6.0	6 sem.
M.Tech., Part Time	Minimum 3 credits Maximum 15 credits	(iii) If a student is on probation and his/her academic performance is below the minimum acceptable level in the following registered semester then his/her registration will be terminated. (iv) The registration of any student shall be limited to 1.25 times the average earned credits of the previous two registered semesters, subject to a minimum of 09 credits and a maximum of 15 credits for full time students.			10 sem. @
M. Des.	Minimum 09 credits Maximum 15 credits		54	6.0	6 sem.
M.B.A., Full Time	Same as M.Tech. full time		72 (+ 6 compulsory audit courses)	6.0	6 sem.
M.B.A., Part Time	Same as M.Tech. part time				10 sem. @

M.S. (Res.) Full Time	See note +	(i) The minimum acceptable performance level in any registered semester is SGPA of 7.0 or more. However, at the end of the 1st registered semester, a student with SGPA of 6.0 or more will be permitted to continue. If the SGPA is less than 6.0 then registration will be terminated. (ii) If at the end of any registered semester, the SGPA is less than 7.0, then the student should be issued a warning letter and placed on probation; a copy of the warning letter should be sent to the Chairperson DRC/CRC. The Chairperson DRC/CRC shall assess the feasibility of completing degree requirements and identify remedial measures for problems leading to poor performance. (iii) If a student is on probation and his/her academic performance is below the minimum acceptable level in the following registered semester then his/her registration will be terminated. (iv) During the research work period, each unsatisfactory performance grade would entail a warning and two consecutive warnings would result in termination of registration.	51 including Thesis.	7.0	6 sem.
M.S. (Res.) Part Time	See note ++				10 sem. ***
Ph.D.	For details please refer to Ph.D. Ordinances and Regulations	(i) A student will be evaluated on completion of pre-Ph.D. course work in terms of Degree Grade Point Average (DGPA) which is calculated on the basis of the best valid credits as prescribed by the Department/Centre. The requirement for completion of pre-Ph.D. course work is DGPA of 7.5 or more. (ii) In case his/her DGPA is less than 7.0, his/her registration will be terminated. If DGPA is in between 7.0 and 7.5, he/she will be allowed to register for more courses to improve his/her DGPA until the maximum permissible period i.e 18 and 24 months respectively for full-time and part time students. (iii) Registration of a Ph.D. student will be terminated at the end of 1st Semester on account of performance in the course work if the SGPA is less than 6.0.	12 for B.Tech./M.Sc., 6 for M.Tech. or equivalent; A Deptt./Centre / School may prescribe additional credits.	DGPA 7.5 in the Course work + Thesis	14 sem.

NOTE:

- \$ Detailed break-up of core, elective and open category courses are given in the latter pages of this document.
- £ If a student at the end of the M.Tech. programme fails to complete required valid credits with a CGPA of 6.00 or above, he/she still can get a DIT even though the Department/ Interdisciplinary Programme does not have a regular Diploma programme provided: (i) he/she has a minimum of 45 valid credits; and (ii) he/she has secured a minimum CGPA of 5.50. The request for the award of D.I.I.T. must be made within 5 years of the date of joining the programme.
- + In the first semester the student has to register for a minimum of 9 and a maximum of 15 credits of course work only. In the subsequent 3-semesters the student shall complete the research work and the course work remaining, if any.
- ++ In the first two semesters the part-time student shall register only for the course work with the minimum and maximum limits of 3-15 credits. The research work and the remaining course work, if any, shall be completed in the remaining 4 semesters. However, the course work must be completed within the first 4-semesters of registration.
- +++ The 10 Semester rule for part-time M.S. (Research) students will be applicable only to those who have joined initially as part-time students. For students converting from full-time to part-time the maximum stay limit of 6 semesters will be applicable, subject to recommendations of DRC/CRC/SRC and approval by Dean, Academics.
- @ The 10 Semester rule for part-time M.Tech. students will be applicable only to those who have joined initially as part-time students. For students converting from full-time to part-time, the maximum stay limit of 6 semester will be applicable.
- # The summer semester will not be considered as a registered semester.