



Indian Institute of Technology Roorkee Department of Humanities and Social Sciences

BS-MS (Economics) (Five Year Programme)

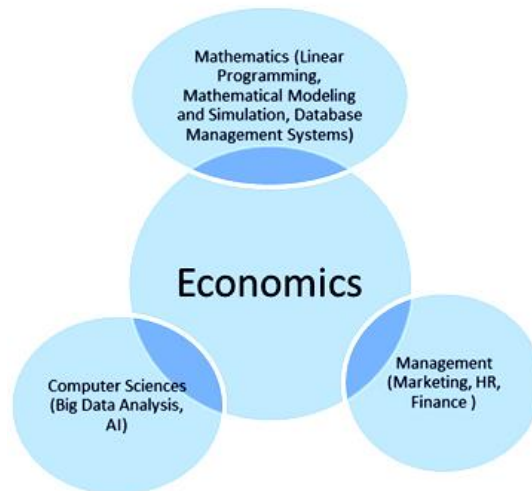
Programme Overview

BS-MS (Economics) programme will be of particular interest if one envisages a career which calls for advanced analytical skills, draws on advanced knowledge of economics, and shall ensure exposure to contemporary and emerging economic policy issues at the national and international levels. The programme is unique as it would help the students to apply various economic principles, theories and models, and understand the technical foundations behind them. This would enable students to alter, amend, empirically test and adapt them to the changing economic environment.

Value Proposition of the Programme

This programme will be of particular interest if one envisages a career which calls for a strong knowledge in Economics along with other social sciences, Objective of this Programme is to give an integrated approach keeping Economics at center. Students can have Minor Specialization/Audit as courses from other Departments.

- Mathematics and Statistics along with other science subjects, (for courses i.e., Linear Programming, Mathematical Modeling and Simulation, Database Management Systems)
- Management and Entrepreneurial subjects, (for courses i.e., Marketing, HR, Finance)
- Exposure to Computer Science subjects, (for courses i.e., Big Data Analysis, AI)



Admission Eligibility/ Mode of Admission

Through IIT JEE Entrance Examination.

Programme Feature

The BS-MS (Economics) programme is an in-depth programme that will equip students with the tools a professional economist needs to work in government or in international organisations, or to carry out economic research. This programme will give students rigorous training in the core areas of economics to make them proficient in the latest analytical and quantitative techniques. Students will also receive a firm grounding in mathematical and econometric techniques, microeconomics and macroeconomics, including their application to new economic problems. A comprehensive list of courses [core and electives], based on the Emerging and Mainstream, in the Field of Economics have been designed.

- Technology & Industry; Financial economics & Corporate investment; Health economics & Labour economics; Globalization & International economics; Mathematical Economics & Econometrics; Climate Change and Green Economics and many more.....

The BS-MS (Economics) programme is a Five-year full-time programme, with each year comprising the autumn and spring semesters with complete programme spread over total of ten semesters.

Students want to have an exit degree may get it as BS (Economics) in completion of 4th year of the Programme.

Note:

- Students want to have BS degree have to intimate to DAA about their Option before the commencement of the Autumn Sem of 3rd Year during their subject registration and they may exit the Programme at the end of 4th Year
- Students want to have BS degree may exit the Programme at the end of 4th Year; Students with BS degree can opt for Project work as an elective under Department elective III and IV (total 6 credits, 3 credit each)

Programme Evaluation

The programme course(s) evaluation would be based on mid-term, end-term and coursework including seminar presentations, group discussions, term papers and summer internship as per institute evaluation scheme.

Number of Seats

The total number of seats proposed for the 5-Year BS-MS (Economics) programme is **33**.

Programme Structure

	Autumn Semester		Spring Semester	
1 ST YEAR	Semester I	Courses taught are of the same Structure like all other Branches (BSC, ESC, HSSMEC, GSC), One PCC (Introduction to the Discipline)	Semester II	Three PCC- Level 1 Microeconomics, Level 1 Macroeconomics, Basic Statistics along with BSC and ESC Courses
2 ND YEAR	Semester III	Four PCC Courses along with One ESC course	Semester IV	Three PCC Courses along with One BSC Course and One HSSMEC Course
3 RD YEAR	Semester V	PCC and PEC Courses (Programme Elective)	Semester VI	PCC and PEC Courses (Programme Elective)
	<ul style="list-style-type: none"> • Students will have Programme Electives starting this year (from Autumn Semester). • Students will have Institute Open Elective (in Spring Semester). • Students can start opting for Minor Specialization Course from Other Departments/Courses (from Spring Semester). 			
4 TH YEAR	Semester VII	PCC and PEC Courses (Programme Elective)	Semester VIII	PCC and PEC Courses (Programme Elective)
	<ul style="list-style-type: none"> • Students will have Programme Electives (in Autumn and Spring Semester). • Students can opt for Minor Specialization Course from Other Departments/Courses(in Autumn and Spring Semester). 			
5 TH YEAR	Semester IX	PCC and PEC Courses (Programme Elective)	Semester X	PCC (Dissertation) and PEC Courses (Programme Elective)
	<ul style="list-style-type: none"> • Students will have Seminar (in Autumn Semester). • Students will have Dissertation (in Spring Semester). • Students can start opting for Minor Specialization Course from Other Departments/Courses(in Autumn and Spring Semester). 			

BS-MS (Economics) Programme is structured according to minimum and maximum credit requirements in each semester. In each semester, the student shall require to fulfill maximum of 18-24 credits. Courses may be of credits ranging from 2 to 4.

Career Prospects

Careers open to students who successfully complete the BS-MS (Economics) degree include economic advisory at government and semi-government departments, financial analysts and advisors to national and international financial institutions, data analysts and researchers as well as consultancy. In addition, the programme may also offer a route into further study at the Ph.D. level at various international academic institutions. The institute placement and training Centre can arrange campus placements by prospective employers from:

Financial Services-Reserve Bank of India, American Express Bank, HSBC Bank, ICICI Bank, Roulac Global Investments, National Institute of Securities Markets (NISM), Fidelity Investments, Indian Credit Rating Association (ICRA), Industrial Development Bank of India (IDBI), Iflex Solutions, National Commodities & Derivatives Exchange Ltd., etc.

Government Departments-Planning Commission (NITI Aayog), Ministry of Finance, Indian Council for Social Science Research (ICSSR), etc.

Research and Consultancy-Crisil Research, Deloitte, Ernst & Young and PwC, Institute for Financial Management and Research, NCAER, etc.

International Agencies- Economic advisor and experts to World Bank, Asian Development Bank, International Monetary Fund, OECD, etc.

Development- Social sector, NGOs, MFIs, NABARD, etc.

Economics @ HSS, IIT Roorkee

The mission of Economics Discipline at Department of HSS, IIT Roorkee is to provide, through both teaching and research, a better understanding of the international, national and local economic issues that will confront our society now and in the future.

Economics Discipline's teaching mission is to offer rigorous undergraduate and graduate degree programmes with emphasis on the relationship of theory to practice, use of hands-on research assignments, and the use of state-of-the-art pedagogy.

- **1st in IIT System** to introduce **2-years Post Graduate Programme in Economics**
- **Minor in Economics** for all branches of UG students.
- Faculty members of the Economics Discipline have been offering a good number of electives for UG and PG programmes over the years.