



**SYMBIOSIS SCHOOL
OF ECONOMICS**



Symbiosis School of Economics

M.Sc. (Economics)

About SSE

Symbiosis School of Economics (SSE), established in 2008, is an integral part of the Symbiosis International (Deemed University), which has been awarded Category-I status by UGC, and an 'A++' grade by NAAC. With more than five decades of contribution in the field of education, research and development, Symbiosis has established itself as an undisputed leader in education creating quality resources. Symbiosis School of Economics seeks to develop intellectual discipline, critical thinking and analytical assessment, ultimately resulting in rational thinking and knowledge of the current economic climate. It strives for an educational environment committed to excellence and academic freedom.

Symbiosis School of Economics offers graduate and postgraduate programs in economics. The course content is rigorous with a descriptive and investigative approach to connect students with all aspects of economic areas, focusing on micro, macro and global paradigms. Our endeavor is to develop intellectual and professional competencies among students and equipping them with skills to include innovation and pragmatism in problem solving. With the evolving scope for creativity, originality and student initiatives, Symbiosis School of Economics provides a fulfilling journey of academic pursuits to its students.

About Director, SSE

Prof. Jyoti Chandiramani has more than 35 years of experience in teaching and research. She is presently the Director of Symbiosis School of Economics and the Dean Faculty of Humanities and Social Sciences at the Symbiosis International (Deemed University), Pune – India. She teaches Urban Economic Development and Urban Mobility at the Masters level.

Besides writing a couple of textbooks, she has jointly edited a book with Ramanath Jha on 'Perspectives in Urban Development: Issues in Infrastructure, Planning, and Governance.' Her areas of research interest include Urban Infrastructure, Urban Transport, Urban Poverty and she is presently working on Pune centric cases. Besides, she keenly studies and follows trends in International Development Cooperation – from the MDGs to the SDGs. A number of PhD scholars have been awarded their PhD under her guidance with some scholars presently being guided by her. She has undertaken various research projects and consultancy in collaboration with NIUA, NABARD, ITDP, Sulochana Thapar Foundation and with reputed think tanks in India.



Programme Highlights

At Symbiosis School of Economics, the integration of research, academics, relevant opportunities, extracurricular activities, skill development programs, as well as internationalization and enhanced engagement into the course creates a unique programme that provides the students with the right skills. The well-designed course structure has an ever-evolving curriculum which includes continuous assessments in the form of term papers and reports. Specifically, the Research Methodology course teaches students the applications of various qualitative and quantitative research methods. Pedagogy of the programme is diverse and includes classroom discussions, field visits, guest lectures, seminars, workshops, assignments, as well as internships.

Research at SSE

Centre for Academic Writing and Centre for Quantitative Learning and Applications support the faculty and student research at Symbiosis School of Economics. The in-house journal: “Oeconomica Scriptis”, which is a compilation of outstanding academic writing, is published annually. The Centre for Quantitative Learning and Applications facilitates advanced level data analysis and statistical software training for students. Softwares such as SPSS, STATA, R and other statistical and econometric softwares are part of our curriculum. Faculty research delves into various fields. Students are encouraged to assist the faculty for their own learning and research experience. Focal areas of research include:

Urban Development- SSE looks forward to starting an Urban Development center with a focused approach towards urban issues, which provides the necessary leverage to implement strategic intervention, test its efficacy and re-orient its future responses through outcome evaluation.

Sustainable Development- Faculty members conducting research in this area are exploring how innovation and technology play a pivotal role in sustainable development, as well as implications of linkage between FDI, International Trade, innovation and human development.

Behavioral and Experimental Economics- SSE has been collaborating and consulting for corporate organizations towards policy changes in HR, nudges in marketing collaterals, analyzing investor behavior and other areas. Research in experimental economics is aimed towards examining how various aspects of identity and institution influence decision making by conducting experiments and applying econometric analysis.

Rural Development - SSE faculty members have been conducting research studies under the aegis of Rural Development. The cell has focused its attention on various sub themes which includes; Tribal Development, Agriculture and Climate Change, Food and Nutrition Security, Farmer’s response to changing markets, and other contemporary topics and areas of research. The cell has a well established network of collaborations with leading institutes like NABARD, NIUA, and NITI Aayog, as well as Municipal Corporations, NGOs and Think Tanks. It is the endeavour of the cell to undertake many more studies, focusing on impact, assessment and evaluation of different rural programmes and government interventions. Over the years, SSE has been increasingly contributing towards research driven and informed policy making.

Internationalization & Enhanced Engagement

The courses at Symbiosis School of Economics are benchmarked with the leading international universities. Students here receive immense exposure while participating in the semester exchange programmes with the most premium universities. This dimension of the courses prepares students for further studies at leading Indian and foreign universities and makes them globally employable.

- University of Bremen
- Ravensburg University of Cooperative Education
- Duale Hochschule Baden-Württemberg Heidenheim
- Dauphine University
- Leibniz University
- Berlin School of Economics and Law
- Lisbon School of Economics and Management

Symbiosis School of Economics is actively engaged in building strong relationships with regional, national and international academic institutions as well as research organizations. We have collaborated with Macquarie University, Australia, NIUA and RIS, in New Delhi; NABARD Mumbai, Bengaluru; Avantha foundation, Pune to name a few.



Course Overview

The M.Sc. (Economics) programme follows an interdisciplinary curriculum, which seeks to develop intellectual discipline, critical and analytical thinking among our students. A rigorous and relevant curriculum catering to the needs of the dynamic nature of the global market ensures overall growth of our students. With a batch of students from diverse academic backgrounds, the exposure to a broad set of ideas, innovations and iterations is guaranteed through their academic journey. Students are evaluated based on various assessments in the form of projects, term papers and research papers. They are also encouraged to write dissertations and aim for research publications. The programme along with the knowledge ethic imbibed at Symbiosis School of Economics, prepares our students to take on the leadership roles in their preferred fields.

First Year:

During the first year of the program the students are given an understanding about the basics of Economics, including the training in the application and quantitative based courses like Mathematical Economics and Econometrics analysis. Our students garner a deeper level understanding of the issues related to the trade and economy overall. During the first year, a broader sense of understanding about the fundamentals of economics is introduced through courses like Microeconomics, Macroeconomics, Growth and Development. Along with the theoretical and quantitative packed courses, we train them in the Research Methodologies through various courses, assignments and applications. Our rigorous framework involving the theoretical, quantitative, and practical understanding of the courses makes our students a better fit in any field they choose to contribute towards in the future.

Final Year Specializations

M.Sc. (Economics) - International Trade

This course deals with the theory and practice of International Trade and of trade-related policies. It focuses on analyzing the gains from trade, the changing patterns of trade, the income distributional consequences of liberalizing foreign trade, the relationship between trade, investment, and economic growth, and the reasons for and consequences of trade policies. The course relies predominantly on a standard collection of international trade models to understand the motivations behind modern trade policies. Motives for countries or organizations to restrict or regulate international trade are analyzed and effects of such policies are studied. Although the course emphasizes the understanding of past and current events in the world economy, formal economic modeling is relied upon to help understand these events.

M.Sc. (Economics) - Development Studies

Development studies is a multidisciplinary course that focuses on the evolution of nations from political, cultural, geographical, and socio-economic perspectives. It emerged as an academic discipline during the late part of the 20th century amid growing concerns over third world economies struggling to establish themselves in the postcolonial era. Development studies is about understanding the current political landscape by examining their origins, which then enables academics, politicians, and world charity organizations to make better plans for the future. The primary focus of developmental studies is to study the improvement in people's lives. It gives insight into developmental theory, understanding of the structural issues and questions of development

M.Sc. (Economics) - Urban Development

Largely considered as a technical field of study involving construction and design of urban spaces, Urban Development takes into account the critical economic and socio-economic factors. The course is interdisciplinary in its approach and students are exposed to technically grounded courses like Geographic Information System (GIS), importance of financial management and governance at Urban Local Bodies, energy, water and sanitation resources in the country and the need to curb urban poverty. Understanding the spread of land in urban areas and planning urban spaces appropriately is the key focus of the course.

M.Sc. (Economics) - Finance

Economics with financial knowledge provides a set of skills with an overall understanding of the economy and financial markets. Our students are equipped with the concepts and training to contribute to the world of finance for the long term. With a solid foundation in core economics built in the first two semesters, this specialization provides the students with in-depth knowledge of the financial sphere. Students gain in-depth knowledge of finance through extensive courses in corporate finance, financial markets, risk, investments, financial modeling, and other applied courses. The specialization provides meticulous practical training that increases the adaptability of our students in this competitive and dynamic field.

M.Sc. (Economics) - Data Analytics

Data Science has become an indispensable part of almost all businesses and industries. The emergence of disruptive technologies like digital media, artificial intelligence and block chain have ushered in an era where Data Analytics have become central to the success of any organisation. Consequently, the demand for Data Scientists has surged sky high in the last five years all over the world. So, what the world requires today is a supply of qualified professionals who have strong foundations in Data Science and Machine Learning. Looking at the market demand and industry requirement, our curriculum for Master of Science in Data Analytics program combines core courses of Economics with real-world data-based courses. The Program will empower students to analyse big unstructured datasets, extract meaningful, relevant and actionable insights in order to solve practical problems. (Kindly refer to the Programme Structure, which will give you a holistic view about the courses taught under the specialisation)

Semester: 1		
Serial No	Course Title	Credits
1	Mathematical Economics	4
2	Public Economics	4
3	Advanced Macroeconomics – I	4
4	Advanced Microeconomics – I	4
5	Advance Econometrics – I	4
6	Research Methodology and Software Package I	3
6	Total	23

Semester: 2		
Serial No	Course Title	Credits
1	Research Methodology and Software Package II	3
2	Advanced Macroeconomics – II	4
3	Advanced Microeconomics – II	4
4	Advanced Econometrics – II	4
5	Growth and Development	4
	Total	19
6	*Integrated Disaster Management	

Semester: 3		
Serial No	Course Title	Credits
1	Internship (IT, UD, DS and Finance)	4
2	Research Publication	Non Letter Grade
Grade	Advanced Microeconomics – II	4
3	Dissertation – I (IT, UD, DS and Finance)	2
	Total	6
Specialization	Development Studies	
4	Markets and Institutional Framework of Development	4
5	Urban Economic Development	4
6	Development Experience	4
	Total	12
	Optional Choice (Any 1)	
7	Behavioural and Experimental Economics	4
7	Trade, Aid and Development	4
	Total	4

Semester: 3		
Specialization	International Trade	
4	Pure Theory of Trade	4
5	International Trade Policy	4
6	Open Macroeconomics	4
	Total	12
	Optional Choice (Any 1)	
7	International Political Economy and Trade	2
	Trade and Environment	2
	Total	2
Specialization	Finance	
4	Security Analysis and Portfolio Management	4
5	Financial Economics	4
6	Derivative Markets	3
7	Financial Modelling	2
	Total	13
Specialization	Urban Development	
4	Urban Finance	4
5	Urban Governance	2
6	Urban Demography	2
7	Urban Land Economics	2
8	Urban Planning and Development	2
9	GIS and Problem Solving in the Urban India Context	2
	Total	14
Specialization	Data Analytics	
2	Python for Data Science	4
3	Big Data Analytics	4
4	Financial Analytics	2
5	Data Analysis and Visualization	3
6	Data Mining	3
7	Machine Learning in Forecasting	4
	Total	20
	Optional Choice (Any 1)	
8	Mathematics for Data Science	2
8	Exploratory Data Analysis Lab	2
	Total	2

Semester: 4		
1	Dissertation II (IT, UD, DS and Finance)	4
	Total	4
Specialization	Development Studies	
2	Theories and Models of Development and Distribution	4
3	Rural Development	4
4	Human Development	4
	Total	12
Specialization	International Trade	
2	International Organizations and Regional Cooperation in Trade	4
3	International Capital Market and Finance	4
4	Multinational Trade : Procedures and Laws	4
5	Trade Finance	2
	Total	14
Specialization	Finance	
2	International Capital Market and Finance	4
3	Financial Risk Management	4
4	Actuarial Economics	3
5	Behavioral Finance	2
	Total	13
	Optional Choice (Any 1)	
6	Corporate Finance	2
6	Introduction to Micro Finance	2
	Total	2
Specialization	Urban Development	
2	Urban Development Experience	4
3	Urban Poverty, Migration and Sustainable Livelihoods	4
	Total	8
	Optional Choice (Any 3)	
4	Urban Mobility	2
4	Urban Energy and Environment	2
4	Urban Solid Waste Management	2
4	Urban Water and Sanitation	2
	Total	6
Specialization	Data Analytics	
1	Corporate Internship with Capstone Analytics	8
2	Dissertation	8
	Total	16

Footnote: All specializations are subject to availability and the score obtained in the qualifying process. Seats available for each specialization will be a maximum of 15. The selection committee's decision will be full and final.

Flagship Event EOTY:

SSE organizes its annual flagship competition “Economist of the Year”. This platform offers students across the world an opportunity to showcase their skills and expertise in a stimulating array of events. Since 2017, each passing year the competition gets stiffer, testing students on several attributes such as analytical abilities, critical thinking, research aptitude, and general knowledge.



Suresh Tendulkar Memorial Lectures:

This lecture series has been hosted by SSE since 2014, attracting distinguished economists as guest speakers from across continents. Over the years, speakers have elucidated on various paradigms of poverty - a relevant theme given the late Professor Tendulkar's



Equilibria:

Equilibria is SSE's annual inter-college festival. This festival imbibes cultural, social, physical, and intellectual aspects, all under one banner. Competitions provide a platform to participants to showcase their talents and skills. Students from all across India and beyond are invited to attend Equilibria's festivals, which include the Cultural Fest, Social Fest, EQ MUN, and Sports Fest.



Application Procedure - M.Sc. (Economics)

Registration Procedure

The applicants can register online at

<https://siu.ishinfo.com/SIUPGFY23/Register/Index.aspx>

Payment Process

You can pay a non-refundable fee of Rs 750/- online through Credit Card / Debit Card / Net Banking with the payment gateway link provided in the form.

Intake Capacity - M.Sc.

Programme	Full Time	Duration	Intake	Eligibility
M.Sc. (Economics)	Full Time	2 years	80	<ol style="list-style-type: none">1. Graduate from any recognised University/ Institution of National Importance with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste / Scheduled Tribes).2. Any graduate with exposure to Economics/Mathematics/Statistics/ Physics are welcome.3. B.Tech and B.E. graduates may also apply. Graduates from any statutory university with a minimum of 50% marks or equivalent grade (45% or equivalent grade for SC/ST) at graduation level.4. Students appearing for final year examinations can apply but their admission will be subject to obtaining a minimum of 50% marks or equivalent grade (45% or equivalent grade for SC/ ST) at qualifying examination.

Intake Procedure

Students will be selected on the basis of Personal Interaction (PI) and Writing Ability Test (WAT) to be conducted Online.

Personal Interaction - Interaction with a panel of faculty members / experts who try to comprehend the knowledge and understanding of the candidate with respect to Economics, Mathematics and Statistics.

Writing Ability Test - Essay type written test on a general topic to comprehend the candidate's writing skill.

Testimonials



Humility and hard work are my top takeaways. Knowing only my love for economics, I joined SSE. Two years at SSE took me through self-doubt and tested my love. But, finally I came out surer of my course and with a clearer purpose. Academically, the course contents threw open the various aspects of economics providing us a platform to find our interest within the vast course of economics. The opportunities to interact with the industry steered me towards taking the right career decisions.

Sebin Nidhiri, M.Sc. 2013-15

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Two years at SSE prepared me to handle the pressures of both the academic and professional worlds. The exam pattern, assignments, group work, and support from various professors shaped me into the person I am today: confident, knowledgeable, and courageous in the face of unknown challenges. Sincere thanks to Dr. Jyoti Chandiramani and the other faculty members for unknowingly changing the lives of SSE students.

Manpreet Singh, M.Sc. 2017-19



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“It is going to be a pressure cooker, but you’ll know the dish served would be a delicacy” SSE works on this principle. From exploring interests to meeting deadlines, writing papers to present it on time, SSE makes one industry-ready. The rigorous course will keep you on your toes and the application-based approach will make you apply theory in real-life scenarios. SSE not only did make me realize my interests but it made me act upon them, explore the unexplored and find mentors and friends who will stay for a lifetime. SSE would always be a cherished experience.”

Samridhi Pandey, M.Sc. 2018-20

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“SSE has given me the platform to learn, develop and excel. The institute has not just guided me to be an able Post graduate but has trained me very well as a professional for the world outside. My confidence, my leadership and my knowledge got a widespread exposure through the guidance of our director Dr. Jyoti Chandiramani and all our professors, who are extremely supportive and have constantly been our saviors. The lessons that I learnt from the institute have always proven to be impactful. SSE taught me hard work, discipline and dedication makes one prominent.”

Para Mahavidya Rajeswari, M.Sc. President 2018-20



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CONTACT DETAILS FOR ADMISSION QUERIES:

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