



**SYMBIOSIS SCHOOL
OF ECONOMICS**

Symbiosis School of Economics

**Bachelor of Science (Economics)
Honours / Honours with Research**

About SSE

Symbiosis School of Economics (SSE), established in 2008, is an integral part of Symbiosis International (Deemed University), which has achieved NAAC Grade 'A++'.

Symbiosis International (Deemed University) is ranked between 801 and 1000 globally in the overall category, 437th in Citation globally, and 23rd among Indian Universities by the Times Higher Education World University Rankings 2023.

With more than five decades of contribution to 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 programmes 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. We endeavor to develop intellectual and professional competencies among students and equip them with skills that include innovation and pragmatism in problem-solving. With the evolving scope for creativity, originality and student initiatives, Symbiosis School of Economics provides its students with a fulfilling journey of academic pursuits.

About the Director, SSE

Prof. Jyoti Chandiramani has more than 38 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 Symbiosis International (Deemed University), Pune – India. She teaches Urban Economic Development and Urban Mobility at the Masters level.

Besides writing a few 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, and 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 Ph.D scholars have been awarded their Ph.D 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 reputed think tanks in India.



Programme Highlights

At Symbiosis School of Economics, integrating research, academics, relevant opportunities, extracurricular activities, skill development programs, internationalisation, 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 that 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. The programme's pedagogy is diverse and includes classroom discussions, field visits, guest lectures, seminars, workshops, assignments, and 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. Our curriculum includes softwares such as SPSS, STATA, R, Python, LaTeX and other statistical and econometric software. Faculty research delves into various fields. Students are encouraged to assist the faculty with their own learning and research experience. Focal areas of research include::

Urban Development- SSE works in close association with the Symbiosis Centre for Urban Studies - a centre that has been inbred and nurtured at SSE. Both faculty and students work on urban centric issues - be it with respect to smart cities, localising of Sustainable Development Goals, Local Action for Climate Change, Census Towns, examining liveability of a city and other urban issues - governance, finance, infrastructure, to name a few. The research translates into dissertations, working papers, publications and projects. The strong association through an MOU with the National Institute for Urban Affairs and other stakeholders, has put SSE in the forefront of research in Urban Economics and Urban Development.

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 the implications of linkage between FDI, International Trade, innovation and human development.

Behavioral and Experimental Economics- SSE has been collaborating and consulting for corporate organisations towards policy changes in HR, nudges in marketing collaterals, analysing investor behavior and other areas. Research in experimental economics examines 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 include 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. The cell endeavors to undertake many more studies, focusing on the impact, assessment and evaluation of different rural programmes and government interventions. Over the years, SSE has increasingly contributed to research-driven and informed policymaking.

Internationalization & Enhanced Engagement

Symbiosis School of Economics courses 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.

- Dauphine University
- Leibniz University
- Berlin School of Economics and Law
- Lisbon School of Economics and Management
- London School of Economics
- DHBW Heidenheim
- Bristol University
- University of Helwan
- Leeds Beckett University

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



SIU announces a 4-year degree programme with multiple entry and exit options as envisioned in NEP 2020. The highlights of the new programme offerings by SSE are as follows:

- The programme framework allows exciting options to pursue a single major, with minors, the opportunity to pursue multidisciplinary, ability and skill enhancement courses and value-added courses.
- Offers a good blend of immersive learning, research and community engagement.
- Includes opportunities for semester exchange programmes with foreign universities.
- Offers the following exit options:

Exit after 1 year - SSE will offer a B.Sc. certificate in Economics and IT Applications.

Students exiting at the end of the second semester will be awarded a “Certificate in Economics with IT Applications” provided they successfully complete the additional vocational courses (Advanced Excel and Statistical Analysis using SPSS).

Exit after 2 years - SSE will offer a diploma - B.Sc. Diploma in Economics.

The Diploma with vocational training in Fintech+ Taxation

Students exiting at the end of the fourth semester will be awarded a “Diploma in Economics with Fintech and Taxation”, provided they successfully complete the additional vocational courses (Introduction to Fintech and Taxation).

Exit after 3 years - B.Sc. Degree in Economics

A UG Degree- (B.Sc. Economics) at the end of 3 years of the programme

Exit after 4 years - B.Sc. in (Economics) Honours

Those who wish to continue into their 4th year and have secured a CGPA less than 7.5 will be offered a UG Degree with Honours at the end of the 4 years of the programme.

Exit after 4 years - B.Sc. (Economics) (Honours / Honours with Research)

Those who wish to continue into 4th year and have secured a 7.5 CGPA or more. A UG Degree with Honours and Specialization in Research at the end of the 4 years of the programme.

In the first year, students are offered fundamental core courses, translating into specialisations from the second year. The fundamental courses provided by the institute help students to understand and analyse the importance of all these subjects in economics. The purpose of including these fundamental courses, skill enhancement courses, and value-added classes in the first year of their UG program is to make students aware of global trends and build their foundation in economics.

Tentative Programme Structure across the 8 Semesters (4 years)

Semester: 1	
Major (Credits)	Principles of Economics (3) + Mathematical Economics I (4) + Indian Constitution (2) + Foundation of Ethics (2) Total = (11)
Multi-Disciplinary (Credits)	MD1 (3)
Ability Enhancement (Credits)	Academic Writing with LaTeX (3)
Skill Enhancement (Credits)	IT Applications in Economics (2)
Common Value added (Credits)	Indian Kaleidoscope – Culture and Communication (2)
Total Credits 21	

Semester: 2	
Major (Credits)	Microeconomics I (4) + Macroeconomics I (4) + Business Accounting & Financial Analysis (4) Total = (12)
Minor (Credits)	Statistics for Economics I (4)
Multi-Disciplinary (Credits)	MD2 (3)
Ability Enhancement (Credits)	Sanskrit / Foreign Languages (2)
Skill Enhancement (Credits)	Introduction to Python (3)
Vocational Courses (Only Summer) (Credits)	Advanced Excel (1) + Statistical Analysis using SPSS (3)
Common Value added (Credits)	Indian Ethos and Values for Management (2)
Total Credits 26	

Total Credits 51

Students exiting at the end of the Second semester and earning 51 credits will be awarded a “Certificate in Economics with IT Applications” provided they have successfully completed the additional 4 credits as stipulated for the vocational course offered during the summer term.

Semester: 3	
Major (Credits)	Microeconomics II (4) + Macroeconomics II (4) + Indian Economy (4) + Mathematical Economics II (4) Total = 16
Minor (Credits)	Statistics for Economics II (4)
Multi-Disciplinary (Credits)	MD3 (3)
Ability Enhancement (Credits)	Sanskrit / Foreign Languages (2)
Common Value added (Credits) Summer Internship	Internship with NGO (2) + Introduction to Indian Epics: Ramayan and Mahabharat (2)
Total Credits 29	

Semester: 4		
Major (Credits)	Public Finance: Theory & Practice (3) + Introductory Econometrics (4) + Research Methodology (4) + Service Learning (2) Total = 13	
Minor (Credits)	Theory of Political Economy in India (4) (Minor Complulsory)	
	(Choose any one course)	
	Name of Course	Specialization
	Social Entrepreneurship (3)	Business Entrepreneurship
	Corporate Finance (3)	Finance
	Introduction to Psychology (3)	Social Science
	Big Data (3)	AI
Skill Enhancement (Credits)	Data Visualization (4)	
Vocational Courses (Only Summer) (Credits)	Introduction to Fintech (2) + Taxation (2)	
Ability Enhancement (Credits)	Economic Journalism (2)	
Total Credits 26		
Total Credits 104		
Students exiting at the end of the fourth semester and earning 104 credits will be awarded a “Diploma in Economics with Fintech and Taxation”, provided they successfully complete the additional 4 credits of vocational courses offered during the summer term.		

Semester: 5

Major (Credits)	International Economics (4) + Intermediate Econometrics (4) + Economic Thought (4) + Introduction to Behavioral Economics and Finance (3) Total = 15	
Minor (Credits)	(Choose any one course)	
	Name of Course	Specialization
	Corporate Entrepreneurship (4)	Business Entrepreneurship
	Financial Management (4)	Finance
	Public Policy and Administration in India (4)	Social Science
	Deep Learning (4)	AI
Summer Internship	Internship with Business Unit (2)	
Total Credits 21		

Semester: 6

Major (Credits)	Environmental Economics (4) + Development Economics (3) + Growth Models (3) Total = 10	
Minor (Credits)	Primary and Secondary Research (4) (Compulsory)	
	(Choose any one course)	
	Name of Course	Specialization
	Global Business Environment (3)	Business Entrepreneurship
	Monetary Economics (3)	Finance
	Development Experiences (3)	Social Science
	Fundamental of Cyber Security (3)	AI
Total Credits 17		
Total Credits 140		

Students exiting at the end of Sixth semester and earning 140 credits will be awarded a “Bachelor of Science (Economics)” degree. Total Credits at the end of the Third Year (Major 73, Minor 26, Multidisciplinary 9, Ability Enhancement Courses 9, Skill Enhancement Courses 9, Summer Internship 8, Common Value- Added Courses 6).

Semester: 7		
Discipline-Specific Courses / Major (Credits)	International Relations (4) + Advanced Microeconomics I (2) + Advanced Macroeconomics I (2) Total = 8	
Minor (Credits)	(Choose any one group from the following course)	
	Name of Course	Specialization
	Entrepreneurial Project Management (3)	Business Entrepreneurship
	Business Modelling and Business Plan (3)	
	Security Analysis and Portfolio Management (3)	Finance
	AI for Banking and Finance (3)	
	Sociology: An Introduction (4)	Social Science
	Sustainability Studies (2)	
	AI for Banking and Finance (3)	AI
	Data Mining (3)	
Total Credits 14		

Semester: 8 (Honours)	
Major (Credits)	Agricultural Economics (4) + Industrial Economics (4) + Law & Economics (4) Total = 12
Research Project/ Dissertation	Research Project (4)
Total Credits 16	

Semester: 9 (Honours with Research)	
Major (Credits)	Law & Economics (4) Total = 4
Minor (Credits)	Research Project (12)
Total Credits 16	
Total Credits 170 (Degree with Honours)	
170 (Honours with Research)	
<p>Note: Total credits at the end of Fourth year 170 for B.Sc (Economics) Honours (Major 97, Minor 32, Multidisciplinary 9, Ability Enhancement Courses 9, Skill Enhancement courses 9 , Summer Internship 4, Research Project 4, Common Value Added Courses 6).</p> <p>Note: Total credits at the end of Fourth year 170 for B.Sc (Economics) Honours with Research (Major 89, Minor 32, Multidisciplinary 9, Ability Enhancement Courses 9, Skill Enhancement courses 9 , Summer Internship 4, Research Project 12, Common Value Added Courses 6)</p>	

Semester	100% Continuous assessment credits	Term End (University) Examination Credits	Total Credits	Total Marks
1	10	11	21	525
2	16	10	26	620
3	13	20	33	825
4	4	18	22	550
5	2	19	21	525
6	4	13	17	425
Total Credits	49	91	140	3500
Honours				
7	6	8	14	350
8	0	16	16	400
Total Credits	49	121	121	4250
Honours with Research				
7	6	8	14	350
8	0	12	16	400
Total Credits	49	121	170	4250

Note: • The 4-Year B.Sc. programme will offer Major in Economics and Minors in Business Entrepreneurship / Finance / Social Sciences / AI.

- 4-Year B.Sc. (Economic) Honours will offer exit options to the students after completing each year (two semesters) of the programme.

- The students who will directly join the programme after first or second year will have to comply with the required credits

1. Students who exit after 1st Year will get Certificate in Economics with IT Application
2. Students who exit after 2nd year, will get Diploma in Economics with Fintech & Taxation
3. Students who exit after 3rd Year will get UG Degree- (BSc Economics)
4. Students who exit after 4 years and have secured CGPA less than 7.5 will get UG Degree- (BSc Economics) Honours
5. Students who exit after 4 years and have secured CGPA more than 7 will get UG Degree- (BSc Economics) Honours with Research

Annual Events

Flagship Event EOTY:

SSE organizes its annual flagship competition, “Economist of the Year”. This platform offers students worldwide an opportunity to showcase their skills and expertise in a stimulating array of events. Since 2017, the competition gets stiffer each year, 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 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 for 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.





Admission Procedure - B.Sc. (Economics) (Honours / Honours With Research)

Admission Procedure

You are advised to carefully read all instructions as given below:

1. It is mandatory to appear for the Symbiosis Entrance Test (SET) for admission to SSE. For details visit www.set-test.org
2. Admission is against qualifying the Symbiosis Entrance Test (SET) and Personal Interaction (PI). Personal Interaction (PI) will be conducted for the shortlisted candidates.

Eligibility

- Passed Standard XII (10+2) or equivalent examination from any recognised Board with a minimum of 50% marks or equivalent grade (45% Marks or equivalent grade for Scheduled Caste / Scheduled Tribes).
- Admission is against qualifying the Symbiosis Entrance Test (SET) and Personal Interaction (PI). Personal Interaction (PI) will be conducted for the shortlisted candidates.
- Admissions of all international students, including foreign nationals, PIO & NRI, are made through The International Office of Symbiosis International (Deemed University). Kindly refer to www.scie.ac.in

Intake: **150 Students**



I am Girish Sharma, a 2022 graduate from the Symbiosis School of Economics (SSE). Currently, I am working as an independent consultant at The World Bank and Strategies scale. Prior to this, I was working at TresVista, where I worked with US private equity firms.

One of the reasons I have been able to explore diverse fields at this early stage of my career is due to the education I received at SSE. The B.Sc. Economics Hons program is truly interdisciplinary. It not only introduced me to the realms of theoretical economics but also helped me gain a foothold in finance and consulting.

One skill that has been particularly beneficial in my career, and for which I credit SSE, is the ability to handle rigor. The demanding curriculum encouraged me to think and act, equipping me with the ability to deal with pressing deadlines and expectations.

Upon joining the workforce after graduation, I realized that we, as SSE students, are far ahead of our colleagues from other colleges in terms of dealing with pressure, communication, leadership, and even presentation. One aspect that truly differentiates SSE from other colleges is its dissertation component, which spans over two semesters. Research is of paramount importance, regardless of the field we choose to pursue. The level of exposure we received as undergraduates has put us ahead of some postgraduates who have not had such research and practical experience under the guidance of inspiring, dedicated and approachable faculty.

Girish Sharma - B.Sc. - 2019-22 - Nikore Associates



SSE's program structure and curriculum sets up any aspiring graduate for an all-round, holistic learning experience with a lot of opportunity to explore individual interests in economics' vast variety of subjects. With a mix of lectures, assignments and unique projects, every course is highly interesting, and helps build a strong foundation for a career in economics and many other associated fields.

Riddhiman Ghosh - B.Sc. - 2019-22 - Associate, D.E Shaw & Co.



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