

St. Joseph's College of Commerce (Autonomous)

163, Brigade Road, Bengaluru – 560 025

Accredited with 'A++' Grade (4th Cycle) by the National Assessment and Accreditation Council (NAAC)

Ranked 55th in NIRF 2024 by the Ministry of Education, Government of India

Recognized by the UGC as

"COLLEGE WITH POTENTIAL FOR EXCELLENCE"



B.Sc. Economics

Semester V and VI

*Syllabus as per National Education Policy Curriculum
Framework*

Academic Year 2025-26

BATCH - 2023

St. Joseph's College of Commerce (Autonomous) Affiliated to Bengaluru City University

St. Joseph's College of Commerce (SJCC) was formerly a part of St. Joseph's College, established in the year 1882. The Commerce Department was established in the year 1949 and it became an independent college with its own building in Brigade Road in the year 1972.

The college has in its Vision a model for higher education which encourages individuals to dream of a socially just world and in its Mission a strategy to empower individuals in realizing that dream.

With an objective of imparting quality education in multidisciplinary fields of Commerce, Management, Economics, English and Psychology the college has been innovating in all aspects of higher education over a long period of time. These innovations were further bolstered with the granting of autonomous status to the college by UGC in September 2005. From then on, the college has taken a lead in reforming curriculum and syllabus, examination and evaluation pattern and teaching and learning methods through the Board of Studies, the Academic Council and the Governing Council comprising of eminent academicians, industry representatives and notable alumni.

The college has undergone four cycles of NAAC accreditation starting from the year 2000 in which it secured 'five stars', next in the year 2007 an 'A' grade, in the year 2012 again an 'A' grade and recently in February 2021 an 'A++'. It is one of the very few institutions in the country to have secured A++ grade in the fourth cycle under the Revised Accreditation Framework (RAF) and the first college in Karnataka to do so. The college was declared as a 'College with Potential for Excellence' in the year 2010. In 2011 SJCC was recognized as a Research Centre by Bangalore University. The college has been ranked 65th in the National Institutional Ranking Framework (NIRF) ratings of Ministry of Education, Government of India, in 2023 and it has been the only institution from Karnataka to make it consistently to the top 100 in the country.

The college offers diverse programmes in Commerce, Business Administration, Economics and English. Under Commerce Studies it offers B. Com, B. Com (Professional- International Accounting and Finance), B.Com (BPS- Industry Integrated), B.Com (Travel and Tourism), B.Com (Analytics), B.Com (Professional - Strategic Finance), M.Com (Finance & Taxation/ Marketing & Analytics), M.Com (International Business) & M.Com (Financial Analysis). Under Business Administration it offers BBA, BBA (Entrepreneurship) and BBA (Professional- Finance and Accountancy). The college also offers six one-year Post Graduate Diploma programmes. The College offers a B.Sc. Economics Programme and a B.A English and Psychology Programme.

THE DEPARTMENT OF ECONOMICS

The Department of Economics offers B.Sc. Economics. This Department has started to incorporate the multidisciplinary spirit of the new NEP 2020. The B.Sc. Economics programme has been designed to provide a cutting-edge expertise in mainstream economics with minor (psychology). The programme aims to develop analytical, creative and critical thinking skills for problem solving and decision making. It aims at better understanding of social, economic, psychological and political issues and also explores the full spectrum of finance. The transferable skills attained

through the B.Sc. (Economics) are highly sought after by employers and increase the employability quotient of students in various dynamic fields. A student could be an economist, a government advisor, financial consultant, econometrician, banker and also look forward to different government positions after successful completion of the programme. Keeping in view the new NEP, the programme is multidisciplinary in nature and integrates different fields like Psychology, Finance, Mathematics, Statistics, Data Analytics, Operations Research, History, Politics, Environmental Studies, Model Building with an inbuilt local as well as global perspective.

New elements such as internship, case studies, seminars and research projects enhance deeper understanding of the practical applications of the programme. So, join in to embark on a whole new adventure with us. The bachelor's degree programme in Economics is a full-time undergraduate programme that aims at providing a programme structure which would retain the 'traditional' in the programme and equip the students with business acumen necessary to succeed in the professional world. On completion of B.Sc. (Economics) at SJCC, students will acquire comprehensive knowledge of how the economic principles are applied in the society, family, government and private sector, business, and science.

SALIENT FEATURES OF B.Sc. ECONOMICS PROGRAMME WITH MULTIPLE ENTRY AND EXIT OPTIONS:

1. The regulations governing B.Sc. Economics Programme with Multiple Entry and Exit Options shall be applicable with effect from the Academic year 2022-2023.
2. The B.Sc. (Economics) Programme shall be structured in a semester mode with multiple exit options.

Certificate	On the completion of First year (<i>two semesters</i>)
Diploma	On the completion of Second year (<i>four semesters</i>)
Basic bachelor's degree	On the completion of Third year (<i>six semesters</i>)

3. The students who exit with Certification, Diploma and Basic bachelor's degree shall be eligible to re-enter the programme at the exit level to complete the programme or to complete the next level.
4. The B.Sc. (Economics) Programme offers a wide range of multidisciplinary courses with exposure to other disciplines, specializations and areas. The programme aptly caters to knowledge, ability, vocational, professional and skill enhancement along with focus on humanities, arts, commerce, management, social, physical and life sciences, mathematics, sports etc.
5. The B.Sc. (Economics) Programme combines conceptual understanding with practical engagement through lab courses, national and international field visits, internship, conferences, workshops, seminars, case study analysis, group discussions and research projects.

6. A wide range of Skill Enhancement Courses are offered in the first four semesters to enhance language and communication, logical reasoning, critical thinking, problem solving, data analytics and life skills.
7. In each of the first four semester students will have an option of studying a course from other disciplines. Students will be given an option to choose from a pool of Open Elective Courses that provide exposure to multiple disciplines and thereby make the programme truly multi-disciplinary.
8. The students have one *specialization/ elective* in the fifth and sixth semester.

I. ELIGIBILITY FOR ADMISSION

Candidates who have completed the Two-year Pre-university course of Karnataka State or its equivalent are eligible for admission into this Programme.

II. DURATION OF THE PROGRAMME

The duration of the undergraduate programme is **three- years** (six semesters) with multiple entry and exit options, within this period. The students can exit after the completion of **one** academic year (Two semesters) with the **Certificate** in a discipline; **Diploma** after the study of **two** academic years (Four Semesters) and **Basic bachelor's degree** after the completion of **three** academic years (Six Semesters).

III. MEDIUM OF INSTRUCTION

The medium of instruction shall be English.

IV. ATTENDANCE:

- a. A student shall be considered to have satisfied the requirement of attendance for the semester, if he/she has attended not less than 75% in aggregate of the number of working periods in each of the courses compulsorily.
- b. A student who fails to complete the course in the manner stated above shall not be permitted to take the end semester examination.

V. SUBJECTS OF STUDY: THE COMPONENTS OF CURRICULUM FOR MULTIDISCIPLINARY UNDERGRADUATE BSC.ECONOMICS PROGRAMME

The category of courses and their descriptions are given in the following table.

Category of courses	Objective/ Outcomes
Languages	Language courses equip students with communication skills, critical and creative thinking, familiarity with issues pertaining to society and culture and skills of expression and articulation. They also provide students with a foundation for learning other courses.
Ability Enhancement Courses	Ability enhancement courses are the generic skill courses that enable students to develop a deeper sense of commitment to oneself and to the society and nation largely.
Skill Enhancement Courses	Skill Enhancement Courses enhance skills pertaining to a particular field of study to increase their employability/ Self- employment. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.
Vocational Enhancement courses	Vocational Enhancement courses enhance skills pertaining to a particular field of study to increase their employability/ Self- employment.
Foundation/ Discipline based Introductory Courses	These courses will supplement in a better understanding of how to apply the knowledge gained in classrooms to societal issues.
Major Discipline Core Courses	Major Discipline Core Courses aim to cover the basics that a student is expected to imbibe in that particular discipline. They provide fundamental knowledge and expertise to produce competent, creative graduates with a strong scientific, technical and academic acumen.
Major Discipline Elective Courses	These courses provide more depth within the discipline itself or within a component of the discipline and provide advanced knowledge and expertise in an area of the discipline.
Open or Generic Elective Courses	Open or Generic Elective Courses are courses chosen from an unrelated discipline/ subject, with an intention to seek exposure beyond discipline/s of choice.
Project work/ Dissertation/ Internship/ Entrepreneurship	Students shall carry out project work on his/her own with an advisory support by a faculty member to produce a dissertation/ project report. Internship/ Entrepreneurship shall be an integral part of the Curriculum.

Extension Activities	As part of the objective of Social Concern, the College has designed a well-structured Community Outreach programme of sixty hours called 'Bembala' (Support). The programme includes rural camps, workshops, lectures and seminars, teaching programmes in Government Schools or Colleges, community service in slums and villages, awareness programmes in streets, localities, slums or villages and public rallies on social issues. The College expects the students to be part of the activities
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	organized by the College towards securing the goal of Social Concern. This programme is mandatory for the award of degree from the college.
Extra/Co-Curricular Activities	The College has a wide range of student associations and clubs that provide space for students to develop their creative talents. The activities conducted help in developing not just the artistic and entrepreneurial talents but also helps in character building, spiritual growth, physical growth, etc. They facilitate development of various domains of mind and personality such as intellectual, emotional, social, moral and aesthetic developments. Creativity, enthusiasm, and positive thinking are some of the facets of personality development and the outcomes of these activities.

VI. CREDIT REQUIREMENT

Credits represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as the number of contact hours, course content, teaching methodology, learning expectations, maximum marks etc.

VII. TEACHING AND EVALUATION

M.A/M.Sc. graduates with Economics and Psychology as basic degree from a recognized university are only eligible to teach and to evaluate the courses including part – B courses of I and II semesters (except languages, compulsory additional courses and core Information Technology related courses) mentioned in this regulation. Languages and additional courses shall be taught by the graduates as recognized by the respective board of studies.

VIII. EXAMINATION & EVALUATION:

CONTINUOUS FORMATIVE EVALUATION/ INTERNAL ASSESSMENT:

Total marks for each course shall be based on continuous assessment and semester end examinations. As per the decision taken at the Karnataka State Higher Education Council, the total marks for CIA and ESE as per NEP for will be 40:60.

TOTAL MARKS FOR EACH COURSE	100%
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Continuous Internal Assessment – CIA 1	20% marks
Continuous Internal Assessment – CIA 2	20% marks
End Semester Examination - (ESE)	60% marks

EVALUATION PROCESS OF INTERNAL ASSESSMENT MARKS SHALL BE AS FOLLOWS.

- The first component (CIA 1) of assessment is for 20% marks. The second component (CIA 2) of assessment is for 20% marks.
- During the end of the semester, end semester examination shall be conducted by the college for each course. This forms the third and final component of assessment (C3) and the maximum marks for the final component will be 60%.
- The students shall be informed about the modalities well in advance. The evaluated assignments during component I (CIA 1) and component II (CIA 2) are immediately provided to the students.
- The marks of the total internal assessment shall be published on the ERP for students at the end of semester.
- The internal assessment marks shall be submitted to the COE as per the date mentioned.
- There shall be no minimum marks in respect of the internal assessment marks.
- Internal assessment marks may be recorded separately. A student who has failed, shall retain the internal assessment marks as there will be no change in the CIA results scored.

MINIMUM FOR A PASS

- A student needs to get 40% in the end semester examination and in addition the student also should get an aggregate of overall 40% inclusive of his internal assessment to be declared as passed.
- The student who is passed in all the end semester examinations in the first attempt is eligible for rank
- A student who passes the semester examinations in parts or attempted supplementary exams is eligible for only Class, CGPA but not for ranking.
- The results of students who have passed the last semester examinations but not passed the lower semester examinations shall be eligible for the degree only after completion of all the lower semester examinations.
- If a student fails in a subject, either in theory or practical's he/she shall appear for that subject only at any subsequent regular examination, as prescribed for completing the programme. He/she must obtain the minimum marks for a pass in that subject (theory and practical's separately) as stated above.

CARRY OVER

Students who fail in lower semester examinations may go to the higher semesters and take the lower semester examinations as per odd or even semester in the next consecutive chance.

CLASSIFICATION OF SUCCESSFUL CANDIDATES:

The ten-point grading system is adopted. The declaration of result is based on the Semester Grade Point Average (SGPA) earned towards the end of each semester or the Cumulative Grade Point Average (CGPA) earned towards the completion of all the eight semesters of the programmes and the corresponding overall grades. If some students exit at the completion of the first, second or third year of the four years Undergraduate Programmes, with Certificate, Diploma or the Basic Degree, respectively, then the results of successful candidates at the end of second, fourth or sixth semesters shall also be classified on the basis of the cumulative Grade Point Average (CGPA) obtained in the two, four, six, respectively. For award of,

- Certificate
- Diploma
- Basic bachelor's degree

TRANSFER FOR ADMISSION:

Transfer for admission is permissible only for odd semesters for students of other universities and within the university.

CONDITIONS FOR TRANSFER OF ADMISSION OF STUDENTS WITHIN THE UNIVERSITY.

- a) His/ her transfer admission shall be within the intake permitted to the college.
- b) Availability of same combination of subjects studied in the previous college.
- c) He/she shall fulfill the attendance requirements as per the University Regulation.
- d) He/she shall complete the programme as per the regulation governing the maximum duration of completing the programme.

CONDITIONS FOR TRANSFER ADMISSION OF STUDENTS OF OTHER UNIVERSITIES.

- a) A Student migrating from any other University may be permitted to join odd semester of the degree programme provided he/she has passed all the subjects of previous semesters/years as the case maybe. Such candidates must satisfy all other conditions of eligibility stipulated in the regulations of the University.
- b) His/her transfer admission shall be within the intake permitted to the college.
- c) He/she shall fulfill the attendance requirements as per the University Regulation.
- d) The student who is migrating from other Universities is eligible for overall SGPA/CGPA or Class and not for ranking.
- e) He/she shall complete the programme as per the regulation governing the maximum duration of completing the programme as per this regulation.

Program Objectives

1. To provide a sound foundation in factual knowledge in various concepts, theories and models of mainstream economics, and its diverse subfields of macro, micro, developmental economics, public finance, monetary economics, etc. to rigor to the subject and learn to apply them in analysing economic phenomena.
2. To develop strong quantitative skills in students by introducing them to mathematical economics, statistics and econometrics in order to analyse complex economic issues.
3. To enhance 'learning to learn' skills in students through guided self- learning in order to develop their critical and creative thinking skills and be able to generate new ideas and processes.
4. To enable students to integrate technology into the study of complex economic phenomenon for analysis of available data, learning to make inferences and finally, learning to produce findings in visual form and writing.
5. To be able to critique the dynamic complex interaction of economies with society by studying firms and governments through behavioural experimental methods which will lead them to explore policy formulation.

Programme Outcomes

PO 1: Disciplinary and Inter-disciplinary Knowledge

Demonstrate the understanding of relevant business, management, and organization knowledge, both academic and professional, in line with industry standards.

PO 2: Decision Making Skill

Apply underlying concepts, principles, and techniques of analysis, both within and outside the discipline to generate all possible solutions and pick one that shows understanding of the problem and the

outcomes.

PO 3: Integrated Problem-Solving and Research

Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems by analyzing key managerial issues in a particular industry or company and propose appropriate managerial solutions to the situation.

PO 4: Critical Thinking Skill

Evaluate evidence, arguments, claims, and beliefs by using appropriate reasoning for the situation and analyze how parts of a whole interact to produce overall outcomes in complex systems.

PO 5: Creative Thinking Skill

Develop, implement, and communicate new and worthwhile ideas using both incremental and radical concepts to make a real and useful contribution to their work.

PO 6: Usage of Modern Technology and Tools

Use tools and technologies of digital nature, communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.

PO 7: Leadership and Team Work

Develop a vision, translate that vision into shared goals, and effectively work with others to achieve these goals.

PO 8: Ethical Conduct

Act responsibly and sustainably at local, national, and global levels.

PO 9: Collaboration

Work collaboratively and respectfully as members and leaders of diverse teams.

PO 10: Self-Directed and Life-Long Learning

Create goals and monitor progress toward them by developing an awareness of the personal, environmental, and task-specific factors that affect the attainment of the goals.

Programme Specific Outcomes (PSOs)

PSO 11: Analytical, Technological, and Quantitative Competence

Graduates will demonstrate the ability to apply economic theories, mathematical models, and statistical techniques, along with proficiency in modern data analytics tools to analyze and solve real-world economic, financial, and business problems through data-driven decision-making.

PSO 12: Interdisciplinary Problem-Solving and Research for Societal Impact

Graduates will integrate knowledge from economics, mathematics, and data analytics to conduct interdisciplinary research, formulate strategic insights, and propose innovative, sustainable solutions to complex challenges in public policy, finance, environmental studies, and global economic systems.

B.Sc. Economics Programme Matrix

Category /Semesters	I	II	III	IV	V	VI	VII	VIII	Total Credits
PART A: LANGUAGES & COMPULSORY COURSES									
Language 1 4 Hrs/3 Cr	Language 1 (3 Cr)	Language 1 (3 Cr)	Language 1 (3 Cr)	Language 1 (3 Cr)	-	-	-	-	24
Language 2 4 Hrs/3 Cr	Language 2 (3 Cr)	Language 2 (3 Cr)	Language 2 (3 Cr)	Language 2 (3 Cr)	-	-	-	-	
Compulsory Courses (2Hrs/2Cr)		Environmental Studies (3Cr)		Indian Constitution (3Cr)					6
PART B: CORE & ELECTIVE COURSES, SEC-SB, VOCATIONAL COURSES, RESEARCH & INTERNSHIP									
Discipline Specific Core Courses: Economics (4Hrs/4Cr or 3 Cr)	Micro economics (3 Cr)	Macro economics (3 Cr)	Factor Pricing & Welfare Economics (3 Cr)	Monetary Economics (3 Cr)	Economics of growth and Development (4 Cr)	Environm ental Economics (4 cr)	Public Economics (4 Cr)		72
	Mathema tics for Economics (3 Cr)	Statistics for Economics (3 Cr)	Basic Econometrics (3 Cr)	Time Series Economics (3 Cr)	Data Analytics using R Programming (4 Cr)	Behavioural Economics (4 cr)	Regional Economics and Sustainabl e Planning) (4 Cr)		
					Operations Research (4 cr)	Contemporary Indian Economy (4 cr)	Financial Economics (4 Cr)		
					Research Methodology (4cr)	History of Economics Thought (4 cr)			
Psychology (Minor)	PSY – 1	PSY– 2	PSY – 3	PSY – 4					24
	(4+2)	(4+2)	(4+2)	(4+2)					
Open Elective Courses (3Hrs/3Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)	Choice of Course (3 Cr)		-	-	-	-	9
Discipline Specific Elective (4 rs/3Cr)	-	-	-	-	International Economics (3 Cr)	Labour Economics (3 Cr)	Game Theory (3 Cr)	Elective 4 (3 Cr)	12
Skill Enhancem ent Courses- Skill Based (1Hr/2 Cr)	Digital Fluency (2 Cr)		Artificial Intelligence (2 Cr)	Financial Education and Investment Awareness (2cr)	Internship (2 Cr)	Internship (2 Cr)		-	10
Vocational Enhancement Courses (3 Hrs/3Cr)	-	-	-	-	Stock Trading (3 Cr)	Introduction to Python Programming and Machine Learning (3 Cr)	Data Visualizati on using POWER BI (3 Cr)	-	12

Research Methodology (4hrs/4 Cr)							Advanced Research Methodology (4 Cr)	-	4
Research Project/ Internship (6 Cr)/Additional Electives (4Hrs/3Cr)	-	-	-	-	-				12
PART C: SKILL ENHANCEMENT COURSES- VALUE BASED									
Foundation Courses (2Cr)	Psychological Well-being (2Cr)	Outreach (1 cr)	Yoga (1 cr)-	Outreach (1 cr)			-	-	8
Extension and Extra-Curricular Activities (1 Cr)	-	Extension & Extra-Curricular Activities (1Cr)	Extension & Extra-Curricular Activities (1Cr)	Extension & Extra-Curricular Activities (1Cr)			-	-	
Total Crs.	25	26	25	25	24	24	22	22	193

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Course Matrix for B.Sc. Economics Programme

Semester V

SL. No.	Course Code	Title of the Course	Category of Course	Teaching Hour per Week (L+T+P)	ESE	CIA	Total Marks	Credits
1.	S1 22 DC 501	Economics of Growth and Development	DSC-1	4+0+0	60	40	100	4
2.	S1 22 DC 502	Research Methodology	DSC-2	4+0+0	60	40	100	4
3.	S1 25 DC 503	Operations Research	DSC-3	4+0+0	60	40	100	4
4.	S1 22 DC 504	Data Analytics Using R Programming	DSC-4	4+ 0+0	60	40	100	4
5.	S1 22 DE 501	International Economics	DSE-1	3+0+0	60	40	100	3
6.	S122 SE 501	Stock Trading	VEC-VB	3+ 0+ 0	60	40	100	3
7		Internship		2 +0 +0				2
TOTAL								24

Course Matrix for B.Sc. Economics Programme

Semester VI

SL. No.	Course Code	Title of the Course	Category of Course	Teaching Hour per Week (L+T+P)	ESE	CIA	Total Marks	Credits
1.	S1 22 DC 601	Environmental Economics	DSC-1	4+0+0	60	40	100	4
2.	S1 22 DC 602	Behavioural Economics	DSC-2	4+0+0	60	40	100	4
3.	S1 22 DC 603	Contemporary Indian Economy	DSC-3	4+0+0	60	40	100	4
4.	S1 22 DC 604	History of Economic Thought	DSC-4	4+ 0+0	60	40	100	4
5.	S1 22 DE 601	Labour Economics	DSE-1	3+0+0	60	40	100	3
6.	S1 22 SE 601	Introduction to Python Programming and Machine Learning	VEC-VB	3+ 0+ 0	60	40	100	3
7		Internship		2 +0 +0				2
TOTAL								24

