

Credit Framework for Four-Year Course in Bachelor of Arts in Economics (B.A. Hons. in Economics) with Minor in Statistics OR Finance OR Data Science

SEM	Major (Discipline Specific Core Course)	Minor / Elective**	Multi-Disciplinary / Inter-Disciplinary Courses	Ability Enhancement Courses	Skill Enhancement Courses	Common Value-Added Courses	Summer Internship / Research Project or Dissertation	Total Credits
I	Introductory Microeconomics (4 Credits)	A. Basic Statistics B. Indian Financial System C. Foundations of Statistics for Data Science-I (4 Credits)	Understanding Human Behaviour (3 Credits) Or Introduction to Media Studies (3 Credits)	Communicative English-I (2 Credits)	Personality Development (3 Credits)	Interreligious Studies for global citizenship (2 Credits) and Environmental Education (2 Credits)		20 Credits
II	Introductory Macroeconomics (4 Credits)	A. Mathematics I B. Introduction to Corporate Finance C. Programming for Data Science-I (4 Credits)	Indian Literature in English Translation (3 Credits) Or Child Development & Education (3 Credits)	Communicative English-II (2 Credits)	Statistical Analysis with R (3 Credits)	Service Learning (2 Credits) and Understanding the Indian Constitution (2 Credits)		20 Credits
III	Introductory Mathematical Methods for Economics (4 Credits) and Statistical Methods for Economics (4 Credits)	A. Probability Theory B. Financial Market-I C. Foundations of Statistics for Data Science-II (4 Credits)	Film Appreciation (3 Credits) Or Contemporary Indian Literature in English (3 Credits)	Modern Indian Language (Bengali/Hindi) (2 Credits) Or Business Communication I (2 Credits)	Survey Design and Data Analysis (3 Credits)			20 Credits

IV	Intermediate Microeconomics I (4 Credits) and Intermediate Macroeconomics I (4 Credits) and Intermediate Mathematical Methods for Economics (4 Credits)	A. Mathematics II B. Financial Market-II C. Programming for Data Science-II (4 Credits)		Modern Indian Language (Bengali/Hindi) (2 Credits) Or Business Communication II (2 Credits)			Internship (2 Credits)	20 Credits
V	Intermediate Microeconomics II (4 Credits) and Intermediate Macroeconomics II (4 Credits) and Introductory Econometrics (4 Credits) and Indian Economy: Sectoral Issues (4 Credits)	A. Statistical Inference B. International Finance C. Statistical Modelling and Data Analysis (4 Credits)						20 Credits
VI	International Economics (4 Credits) and Environmental Economics	A. Programming in Python B. Behavioural and Personal Finance C. Advanced Data Analytic Techniques (4 Credits)						20 Credits

	(4 Credits) and Public Economics (4 Credits) and Development Economics (4 Credits)							
Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline /Subject upon securing 120 credits								
VII	Research Methodology (Compulsory) (4 Credits) Any three from the list below Growth Economics (4 Credits) or Issues in Macroeconomic Policy (4 Credits) or Open Economy Macroeconomics (4 Credits) or History of Economic Thought (4 Credits) or Game Theory & Strategic Interactions (4 Credits)	A. Statistical Learning B. Financial Econometrics C. Machine Learning (4 Credits)						20 Credits

	or Economics of Institutions (4 Credits) or Economics of Social Sector (4 Credits) or Public Policy (4 Credits) or Advanced Econometrics (4 Credits) or Causal Inference (4 Credits)							
VIII	Empirics of Indian Economy (Compulsory) (4 Credits) Economics of Financial Markets (4 Credits) or Labour Economics (4 Credits) or Advanced issues in International Economies	A. Machine Learning with Python B. Value at Risk C. Deep Learning & Neural Networks (4 Credits)					Dissertation (12 Credits)	20 Credits

<p>(4 Credits)</p> <p>or</p> <p>Industrial Organization (4 Credits)</p> <p>or</p> <p>Economics of Inequality and Policy Alternatives (4 Credits)</p> <p>or</p> <p>Economics of Discrimination (4 Credits)</p> <p>or</p> <p>Economics of Crisis (4 Credits)</p> <p>or</p> <p>Time Series and Forecasting (4 Credits)</p> <p>(One Compulsory and any three in lieu of Dissertation for Economics Honours)</p>							
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Students will be awarded UG Degree (Honours) with Research in the relevant Curriculum and Credit Framework for Undergraduate Programme Discipline /Subject provided they secure 160 credits.

****Note:** The Minor papers are offered under three tracks: **A (Statistics)**, **B (Finance)**, and **C (Data Science)**. Students who select a Minor track in **Semester I** shall be required to pursue the **same track throughout the next seven semesters.**

MAJOR: Discipline Specific Core Course
MINOR: General Electives
AEC: Ability Enhancement Course
SEC: Skill Enhancement Course
VAC: Value Addition Course

