

# B.A. ECONOMICS WITH DATA SCIENCE

**CHITKARA**  
**BUSINESS**  
**SCHOOL** 

## SEMESTER-1

- Introduction to Microeconomics
- Introduction to Data Science
- Data Warehousing and Cloud Computing
- Multidisciplinary/ Interdisciplinary: International Political Economy
- Economics and Policies in a Bio-Based Economy
- Technologies in Modern Economics
- Fundamentals of Economic Analysis through statistical tools
- English Communication

## SEMESTER-2

- Introduction to Macroeconomics
- Mathematical Methods of Economics - I
- Advanced Excel for Decision Science
- Multidisciplinary/ Interdisciplinary: Introduction to Audio-Visual Media
- Yoga Camp (Experiential Learning)
- Economic Survey and The Basic Framework of Union Budget
- Report Writing

## SEMESTER-3

- Indian Economy
- Statistical Methods
- Data querying with SQL
- Data Visualisation & Storytelling
- Circular Economies and Interdisciplinary Approach
- Innovation Entrepreneurship and Venture Development
- Philosophy of Research

## SEMESTER-4

- Intermediate Macroeconomics
- Intermediate Microeconomics
- Basic Econometrics
- Quantitative Economics
- Behavioural and Experimental Economics: A Public policy Perspective (EY)
- Foreign Language (French)

## SEMESTER-5

- Growth and Development
- Money and Banking
- Mathematics Methods of Economics II
- Environmental Economics
- Gender Economics
- Internship

## SEMESTER-6

- Public Economics
- Applied Econometrics
- International Economics
- Mathematics Methods of Economics II
- Research Methodology
- Introduction to AI for Finance and Economics

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## SEMESTER-7

- Energy Economics
- Industrial Economics
- Emotional Economics
- History of Economic Thought  
Ethics in Research
- Consumer Psychology

## SEMESTER-8

- Labour Economics
- Economics of Health and  
Education
- Information economics
- Research Report writing workshop
- Research Project/ Dissertation

# B.A. ECONOMICS WITH DATA SCIENCE IN RESEARCH

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## SEMESTER-7

- Research Methods
- Literature Review Techniques
- Academic writing skills
- Research Ethics
- Workshop on developing  
Research synopsis

## SEMESTER-8

- Quantitative and  
Qualitative Analysis
- Workshop on Modern  
methods of Research
- Dissertation

**Note:** Non-credit courses are also offered other than curriculum like community service, Literacy Initiatives, Short term Internships, Summer School, Exchange Programs with International Exposure as a means of providing experiential learning and enhancing the knowledge of the students.