

GIRIJANANDA CHOWDHURY UNIVERSITY

Department of Economics

BSc in Economics and Data Science

(FYUGP & NEP2020)

List of Courses and CREDIT Distribution

Session: 2026-27 August Onwards

Credit Distribution:

Sl. No.	Subject/Courses	Total credit after 3 years
1	Economics(Core)	40
2	Economics (Elective)	12
	Economics (Total)	52
3	Data Science	40
	Total (Economics +Data Science) (End of 3rd year)	92
	Total (Economics +Data Science +Project /Theory (End of 4th year)	132
4	AEC	8
5	SEC	9
6	MDC	9
7	VAC	6
8	Internship	4
9	Minor Project	4
10	Major Project	12
	Total Credit at the end of 3rd Year	128
11	Total Credit at the end of 4th Year	168

Course List –Department of Economics

SL NO.	Code	Course	Type of Course	Total Credit
1		Introductory Economics	Core	4
2		Mathematics for Data Science	Core	4

3		Introduction to Programming(Python)	Core	4
4		Elements of Economics	Core	4
5		Statistics for Data Science	Core	4
6		Data Structure & Algorithms	Core	4
7		Intermediate Economics	Core	4
8		Introduction to Data Science	Core	4
9		Data Base Management System	Core	4
10		Microeconomics Analysis	Core	4
11		Macroeconomics Analysis	Core	4
12		Quantitative Techniques in Economics	Core	4
13		Artificial Intelligence & Machine Learning	Core	4
14		Monetary Economics	Elective	4
15		Urban Economics	Elective	4
16		Public Finance and Policy	Core	4
17		Economics of Growth and Development	Core	4
18		Econometric Methods	Elective	4
19		Health Care Economics	Elective	4
20		Deep Learning	Core	4
21		Summer Internship	Core	4
22		Contemporary issues in Indian Economy	Core	4
23		Environmental Economics	Core	4
24		Behavioral Economics	Elective	4
25		Economics of Gender	Elective	4
26		Business Intelligence and Big data	Core	4
27		Minor Project (Data Science Application)	Core	4
28		International Trade and Finance	Core	4
29		Research Methods & Techniques for Economics	Core	4
30		Computer Vision	Core	4
31		Advanced Econometric Methods	Elective	4
32		Health Care Economics	Elective	4

33		Agricultural Economics	Core	4
34		Demography	Core	4
35		AI Tools and its Application	Core	4
36		Industrial Economics	Core	4
37		Economics of Rural Development and Management	Core	4
38		Operation Research for Industries	Elective	4
39		Labour Economics	Elective	4
40		Research Project Part I (Honors with Research)	Core	4
41		Research Project Part II (Honors with Research)	Core	8

- Apart from this credits are allotted for MDC, AEC, VAC, SEC from common basket offered by the University.