

Broad Discipline – Mathematics, Statistics and Computer Applications (SCIENCE)

Major and Minor Courses

Choose a pair from the following for semester I and the corresponding pair will be offered for semester II.

SEMESTER I		SEMESTER II	
Major (4 Credits)	Minor (4 Credits)	Major (4 Credits)	Minor (4 Credits)
Computer Science	Statistics	Mathematics	Computer Applications
Mathematics	Computer Applications	Computer Science	Statistics

Skill Enhancement Courses (SEC)

Choose a course from the following for semester I and the corresponding course will be offered for semester II.

SEMESTER I (3 Credits)	SEMESTER II (3 Credits)
SEC-1 CSC 144 Desktop Publishing	SEC-2 CSC 146 Basics of Python Programming
SEC-1 MAT-141 Numerical Analysis using Python/ Sage Math	SEC-2 MAT-142 Statistical Methods using R/SPSS/PSPP

Multidisciplinary Courses (MC)

Choose a course from the following for semester I and the corresponding course will be offered for semester II.

SEMESTER I (3 Credits)	SEMESTER II (3 Credits)
COM-133 - Marketing for Beginners	COM-137- Tourism and Hospitality Management
COM 132 - Fundamentals of Stock Market	COM 140 - Economics of Financial Investments
HIS 131- Indigenous Heritage of Goa	HIS 132 - Women in Goan History
Eco 131 - Sustainable development	ECO 132 - Globalisation
GOG-131: Astronomical Geography	GOG-132: Major World Environments



Value Added Courses

Choose a pair from the following courses for semester I and the corresponding pair will be offered for semester II.

SEMESTER I (2 + 2 = 4 Credits)	SEMESTER II (2 + 2 = 4 Credits)
<p>a) Environmental Science and Education: (2 Credits paper I) VAC 101: Environmental Studies I OR VAC 104 - Sustainable Development & Ecology</p> <p>b) Understanding India:(2 Credits paper II) VAC 110: Indian Economic Thought</p>	<p>c) Digital and Technological Solutions: (2 Credits paper III) VAC 113: Green Energy Systems OR VAC 114: Medical Gadgets for Health Care</p> <p>d) Health & Wellness, Yoga education, sports and fitness: (2 Credits paper IV) VAC 118: Youth Empowerment using Mind Management OR VAC 120: Exercise Science and Nutrition for Fitness</p>
<p>a) Digital and Technological Solutions: (2 Credits paper III) VAC 113: Green Energy Systems OR VAC 114: Medical Gadgets for Health Care</p> <p>b) Health & Wellness, Yoga education, sports and fitness: (2 Credits paper IV) VAC 118: Youth Empowerment using Mind Management OR VAC 120: Exercise Science and Nutrition for Fitness</p>	<p>c) Environmental Science and Education: (2 Credits paper I) VAC 101: Environmental Studies I OR VAC 104 - Sustainable Development & Ecology</p> <p>d) Understanding India:(2 Credits paper II) VAC 110: Indian Economic Thought</p>

Ability Enhancement Course (AEC)

This is a compulsory course for 2 credits

SEMESTER I (2 Credits)	SEMESTER II (2 Credits)
ENG-151: Communicative English: Spoken and Written	AEC-2 ENG-152: Digital Content Creation in English

NOTE:

- (i) *Multidisciplinary courses (MC) will be offered only to those students who do not have exposure to the subject at the Std XII level.*
- (ii) *Skill Enhancement Courses (SEC) and Value Added Courses (VAC) courses will be offered depending on the number of students applying of the same and/or availability of seats.*

