



COMPUTER SCIENCE

UNDERGRADUATES DEGREE POST-BACCALAUREATE PROGRAM

2026 - 2027

Semester 1

1 DISCRETE MATHEMATICS

2 LINEAR ALGEBRA

3 PYTHON PROGRAMMING

4 ADVANCED PYTHON PROGRAMMING

5 APPLIED CALCULUS

6 COMMUNICATION SKILLS I

7 LIFE SKILLS AND COEXISTENCE

Semester 2

1 INTRODUCTION TO PROGRAMMING

2 COMPUTER ORGANISATION AND
ARCHITECTURE

3 INTRODUCTION TO COMPUTING
AND INFORMATION TECHNOLOGY

4 ADVANCED COMPUTING AND
INFORMATION TECHNOLOGY

5 PHYSICS

6 FOREIGN LANGUAGE
COMMUNICATION SKILLS II

7 AI FOR EVERYONE



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Semester 3

1 OPERATING SYSTEMS

2 OBJECT-ORIENTED PROGRAMMING
IN JAVA

3 JAVA EVENT HANDLING

4 WEB TECHNOLOGIES

5 MOBILE DEVELOPMENT

6 FOREIGN LANGUAGE
COMMUNICATION SKILLS III

7 ENVIRONMENT AND HEALTH

Semester 4

1 COMPUTER GRAPHICS AND
MULTIMEDIA

2 ALGORITHMS AND DATA STRUCTURES

3 ADVANCED DATA STRUCTURES
AND COMPUTABILITY

4 INTEGRATED PROJECT

5 ETHICS, LAW, AND GOVERNANCE IN IT

6 FOREIGN LANGUAGE IV

7 YOUTH EMPOWERMENT



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Semester 5

1 DATABASE MANAGEMENT SYSTEMS

2 ADVANCED DATA ANALYTICS

3 SOFTWARE REQUIREMENTS
AND ANALYSIS

4 SOFTWARE QUALITY

5 COMPETITIVE PROGRAMMING

6 FOREIGN LANGUAGE V

7 LEARNING AND INFORMATION
TECHNOLOGY

Semester 6

1 MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE A

2 MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE B

3 SYSTEM MODELING

4 .NET PROGRAMMING

5 CHINESE AND GERMAN
FOR BEGINNERS I

6 PRINCIPLES OF ENTREPRENEURSHIP

7 GRADUATION PROJECT