



BACHELOR OF SCIENCE (COMPUTER SCIENCE)



WWAZ	▲	111.51	▲	99.31
TVRZ	▲	92.21	▲	87.59
TTAW	▲	87.14	▲	67.54
CCAD	▲	131.94	▲	121.49
HAEW	▲	74.68	▲	67.24
JJAS	▲	94.71	▲	61.41
RRAP	▲	77.91	▲	59.36

OFFER UNDER
GOVERNMENT
FREE DEGREE
SCHEME

HOTLINE
9995870

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

DURATION 3 YEAR

COURSE OUTLINE

The primary objective of the BSc in Computer Science course is to develop students with a strong, broad-based education in computer science as a scientific and technological discipline. In this Course, students will gain an appreciation of the foundations of computation, an understanding of the design and development of software and the skills to put these concepts and technologies into practice. This course will prepare students for roles in software design and development careers in the IT industry or to pursue their higher studies.

PROGRAMME STRUCTURE

YEAR 1

- Fundamentals of Information Technology
- Computer Organisations
- Academic Writing
- Discrete Mathematics
- Programming Principles
- Computer Networks
- Systems Analysis and Design
- Database Management Systems
- Design and Analysis of Algorithms
- Leadership & Life skills

YEAR 2

- Web Programming
- User Experience Design
- Data Structures
- Introduction to Data Science
- Operating System Concepts
- Object Oriented Programming
- Computer Architecture
- Mobile Application Development
- Object Oriented Analysis & Design
- IT Capstone Project I

YEAR 3

- Fundamentals of Artificial Intelligence
- Internet of Things
- Advanced Object-Oriented Programming
- Industrial Internship
- Machine Learning and Computational Intelligence
- Advanced Database Management System
- IT Capstone Project II

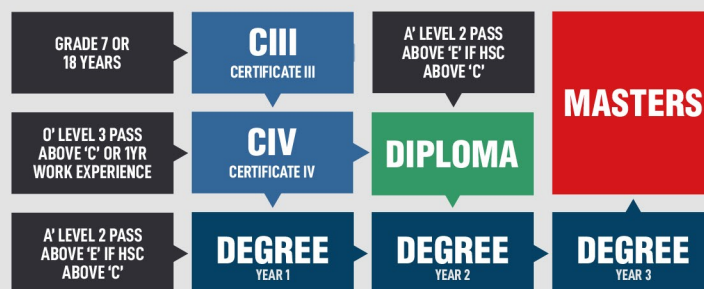
CAREER OPORTUNITIES

- IT Analyst
- Software Developer
- Network Engineer
- System Engineer
- Computer Operator
- Technical Assistant
- Technical Engineer
- Technical Writer

ENTRY CRITERIA

- Successful Completion of Higher Secondary Education OR
- Attainment of a Level 4 Qualification in a related field OR
- Attainment of a Level 4 Foundation Study Program Approved for the specific Diploma program.
- Completion of a Level 4 qualification (unrelated), and successful completion of an Cyryx University Preparation Program

PATHWAY



SCHOOL OF INFORMATION TECHNOLOGY
WINNING THROUGH KNOWLEDGE

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