



RIPHAH
INTERNATIONAL UNIVERSITY

ADMISSIONS OPEN
Fall 25

DEPARTMENT OF PHYSICS

Faculty of Engineering & Applied Sciences

4 Years | Morning Program | 8 Semesters

APPLY NOW!

BS COMPUTATIONAL PHYSICS

Introduction

The BS in Computational Physics is a cutting-edge undergraduate program designed to integrate core principles of Physics with powerful computational techniques. The program empowers students with the skills necessary to solve complex physical problems using modern programming tools and AI-based simulations.

Why BS Computational Physics?

Strong foundation in theoretical and applied physics - Hands-on experience in programming (C++, Python, MATLAB, etc.) Integration of Artificial Intelligence and Machine Learning in physical modeling, Industry-aligned curriculum focused on data science and simulations

APPLY ONLINE

admissions.riphah.edu.pk

Admission Criteria

HSSC (Pre-Engineering / Pre-Medical / ICS) or A-Levels with Physics & Mathematics

Minimum 45% aggregate marks - Entry Test (University / NTS / ETEA or equivalent)

Credit Hour Breakdown Total Credit Hours: 140

Category	Credit Hours
General Education	34
University Requirement	4
Discipline related course / Major (Physics + Computational)	78
Interdisciplinary / Allied courses	18
Internship	3
Final Year Project/ Capstone Project	3
Total Credit Hours	140