



University of Central Punjab
The centre of your future

Faculty of Sciences

2021-22

www.ucp.edu.pk

INTRODUCTION

Following the academic initiative for the 'Public Good,' the **Faculty of Sciences** (FOS) was set up in 2016. It is one of the most comprehensive faculties at UCP, with 22 PhD faculty members. Our disciplines introduce students to the wonders of the natural world - from small, subatomic particles to the infinitely large universe and everything else in between. With a curriculum designed to help students acquire new skills, sharpen the mind, develop curiosity, and gain fluency in the language of numbers, we aim to equip students with excellent, contemporary, and academically challenging programme knowledge, with quality teaching, in an up-to-date learning environment. Enrolling at FOS exposes the student to many opportunities in education, research, basic & applied healthcare, data science and science journalism and many more. The Faculty of Sciences is committed to seeing all its graduates scientifically trained and well-equipped to tackle global challenges.



BS Mathematics

BS Mathematics programme envisages uplifting the standards of higher education in Mathematics in Pakistan. The courses included in this programme are a fine blend of core, pure and applied mathematics. The programme enables students to use variables, products and quantities to do mathematical analysis. Students who have done ADS/B.Sc. have the opportunity to join the BS programme. The central theme of this programme is to train students in various fields of Mathematics for better understanding of the subject leading to successful lifelong careers.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Engineering/ICS/A levels or equivalent with Mathematics. All applicants are required to pass the UCP admission test.



BS Mathematics-Post ADS

Eligibility Criteria: At least 45% marks or 2.00/4.00 CGPA in ADS Mathematics or equivalent. All applicants are required to pass the UCP admission test.

BS Physics

With a Bachelor's of Science degree in Physics, students can pursue their careers in multiple fields of research and development, manufacturing and engineering. Students who have done ADS/B.Sc. have the opportunity to join the BS Physics programme as a major

and have a thorough understanding of advanced level Physics courses in challenging fields of optics, thermodynamics, quantum mechanics and solid-state physics.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Engineering/ICS/A levels or equivalent with Mathematics & Physics. All applicants are required to pass the UCP admission test.

BS Physics-Post ADS

Eligibility Criteria: At least 45% marks or 2.00/4.00 CGPA in ADS Physics or equivalent. All applicants are required to pass the UCP admission test.

BS Zoology

BS Zoology is a growing discipline with substantial relevance for modern society. The study of Zoology is increasingly recognised as vital for understanding and protecting our planet. It contributes to the development of strategies to reduce and discover new biological-based solutions to animal diseases. Students who have done ADS/B.Sc. have the opportunity to join this programme as a major. Students will be able to study the evolution, behaviour, interactions, conservation and distribution of animals. Zoologists have a strong demand between fishing and aquatic farms and research companies.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Medical or equivalent with Biology. All applicants are required to pass the UCP admission test.

BS Zoology-Post ADS

Eligibility Criteria: At least 45% marks or 2.00/4.00 CGPA in ADS Zoology or equivalent. All applicants are required to pass the UCP admission test.

BS Chemistry

BS Chemistry programme prepares students for careers as professional chemists and serves as a foundation for careers in other fields such as biology and medicine. The curriculum offers a thorough fundamental knowledge of the significant fields of Chemistry, covering the general areas of inorganic, organic, physical chemistry and bounteous specialised areas. Students who have done ADS/ B.Sc. have the opportunity to join this programme. Professionals in this field can work in multiple areas due to the overlap between chemistry and other sciences.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Medical/Pre-Engineering/A Levels or equivalent with Chemistry. All applicants are required to pass the UCP admission test.

BS Chemistry-Post ADS

Eligibility Criteria: At least 45% marks or 2.00/4.00 CGPA in ADS Chemistry or equivalent. All applicants are required to pass the UCP admission test.

ADS in Double Mathematics & Physics

Designed to meet international standards, the associate degree in Double Maths and Physics aims to equip students with a specific skill set to become productive human capital for society. During this programme, students will be able to apply their freshly acquired mathematical skills to physics, including basic concepts of modern physics, learn to master the tools to describe phenomena of classical physics. They will acquire the principal skills along with advanced mathematical tools for physics.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Engineering/ICS/A levels or equivalent with Mathematics & Physics.

ADS in Zoology, Botany & Chemistry

The associate degree programme is structured to equip students with in-depth scientific knowledge about evolutionary trends, behavioural patterns and characteristics of animals and plants.

Along with a primary focus upon research in organic and physical chemistry, ecology, and veterinary healthcare students gain professional laboratory experience in organic and inorganic synthesis and analytical methods.

Eligibility Criteria: At least 45% marks in F.Sc. Pre-Medical or equivalent with Biology.

Fee Structure of Faculty of Sciences

Programme	Admission Fee (PKR)	Per Credit Hour Fee (PKR)	Total Credit Hours	Total Fee (PKR)
BS Mathematics	25,000	5,250	130	707,500
BS Physics	25,000	5,250	135	733,750
BS Zoology	25,000	5,250	137	744,250
BS Chemistry	25,000	5,250	138	749,500
ADS (Double Math & Physics)	20,000	4,000	76	324,000
ADS (Zoology, Botany & Chemistry)	20,000	4,000	74	316,000

UCP Merit and Other Scholarships

The current scholarship policy and maintenance criteria is available on our official website <https://www.ucp.edu.pk/ucp-scholarships/>. Currently, we have 9 different types of scholarship to offer to new and on-going students.

Sr. No	Scholarship Type	Programmes Applicable
1	Merit Scholarship	All undergraduate and graduate programmes
2	PGC Scholarship	All undergraduate programmes
3	UCP Alumni Scholarship	All graduate programmes
4	Kinship Scholarship	All undergraduate and graduate programmes
5	Scholarship for specially-abled students	All undergraduate and graduate programmes
6	Need-based Scholarship	Only for undergraduate programmes

Sr. No	Scholarship Type	Programmes Applicable
7	Co-Curricular activities & sports Scholarship	Only for undergraduate programmes
8	Scholarship for UCP permanent faculty & staff members	Only for graduate programmes
9	Contingency	Only for undergraduate programmes

The details of available scholarships are as follows:

Merit Scholarship for Undergraduate Students	
Academic Marks	Scholarship
75% Marks	100%
70% Marks	75%
65% Marks	50%
60% Marks	25%
PGC Scholarship for Undergraduate Students	
Category	Available Scholarship
PGC students (at the time of admission)	50%
Other Available Scholarships for Undergraduate Students	
Category	Scholarship
Need-based (case evaluation by the committee)	25-100%
Talent-based (on co and extracurricular activities and committee assessment)	25-100%
Contingency (on demise of father or guardian during studies)	50%
Disabled (official disability certificate & committee assessment)	25-100%
Kinship (1 st kin enrolled in PGC/UCP)	25%
Kinship (2 nd kin enrolled in UCP)	50%

Note: Continuation criteria of all the above mentioned scholarships is available on the university website <https://www.ucp.edu.pk/ucp-scholarships/>.

Students who are not eligible for scholarships at the time of admission can apply for scholarships based on their CGPA after the completion of the first semester.



STUDENT RESOURCE CENTRES



- Guidance and support from career professionals
- Career Labs introduced to prepare UCP students for the job market by helping them internalise professional and business skills
- Access to internships, jobs, scholarships, and exchange programmes



- DSA manages student societies and clubs in the domains of performing arts, public speaking, science and community service
- Engages and provides the student with various co-curricular activities and opportunities



- A blended learning approach to help students read and analyse complex texts and convey comprehensive ideas
- Provides support with the knowledge of grammar and vocabulary
- Aims to enhance students' critical thinking skills to enable them to cope with the course material in English across disciplines



- Facilitates students in course registrations, add/drop of courses and virtual learning



State-of-the-Art Facilities



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Labs designated for FOS students

Over 67,000 resources available



A 25 yard, 4 lane, temperature controlled swimming pool



Designated hall for virtual meetings and conferences



Male & female gym with top-of-the-line training equipment



Centre for all activities and events



Variety of food options with comfortable ambiance



Bringing scripts and ideas to life



In-house business Incubator



Training ground for our young performers



For meetings and brainstorming sessions



A shared lounge for students



Safe means of transport at nominal rates



360° virtual tour

Bringing the campus to you, wherever you go. Take a virtual tour to explore classrooms, laboratories, student facilities, and more.



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www.ucp.edu.pk/virtual-tour



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