



ST. WILFRED'S P.G. COLLEGE

(Affiliated to the University of Rajasthan)

Programme Specific Outcomes

Bachelor of Science: Physics

PSO 1	Acquire a broad range of abilities that will allow them to tackle theoretical and experimental challenges.
PSO 2	To get employment in the banking sector, education, and fields requiring scientific and engineering expertise.

Bachelor of Science: Chemistry

PSO 1	To get knowledge about laboratory reagents, and to conduct experiments to learn about the separation of chemicals from a solid binary combination.
PSO 2	To get knowledge of nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions and Identify chemical formulae and solve numerical problems.

Bachelor of Science: Botany

PSO 1	To get knowledge and importance of Botany in each field especially in dealing with environmental and societal issues, agriculture, ethics and healthcare and to Understand the role of plants in sustaining life on this planet (earth).
PSO 2	To get knowledge and classification of plants according to the rules of plant systematics, apply techniques like plant propagation methods, organic farming, mushroom cultivation, preparation of bio fertilizers, bio pesticides etc. in daily life.

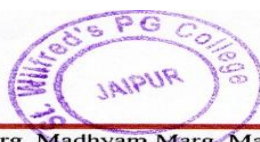
Bachelor of Science: Zoology

PSO 1	Appreciate the nature and fundamental ideas of practical and economic zoology, cell biology, genetics, taxonomy, physiology, biochemistry, ecology, and evolutionary biology.
PSO 2	Students will be able to recognize the connection or synchronization between molecular, cellular, and organism levels of structure and function. Based on the morphological, anatomical, and systemic arrangement of various chordates and no chordates, students should be able to recognize, group, and distinguish these organisms.

Bachelor of Science: Mathematics

PSO 1	A student should be able to memories general facts about mathematics and should be able to display knowledge of conventions such as notations , jargons etc.
PSO 2	After the completion of this programme the students will be able to Analyze and apply mathematical arguments in a logical and critical manner.

Kapila
IQAC HEAD
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JAIPUR



Fareeda
Principal
(Dr. FAREEDA HASANI)
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Bachelor of Science: Statistics

PSO 1	Student is equipped with statistical modeling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment.
PSO 2	A student should get adequate exposure to global and local concerns that explore them many aspects of mathematical sciences.

Bachelor of Science: Geography

PSO 1	Understand the theories and fundamental concepts of Geotectonic and Geomorphology. Understand earth's tectonic and structural evolution. Gain knowledge about earth's interior. Develop an idea about concept of plate tectonics, and resultant landforms.
PSO 2	Understanding crustal mobility and tectonics; with special emphasis on their role in landform development.

Bachelor of Science: Psychology

PSO 1	Students of Psychology to grow in sensitivity, sympathy and empathy towards others, learn to work in a team and develop leadership qualities, accept and respect individual differences and work with responsibility and commitment and also develop an understanding about inclusive education and its benefits through the Social Outreach Program.
PSO 2	Students will be able to understand the nature and basic concepts of individual differences, cognitive processes and social behavior.

Bachelor of Science: Geology


PSO 1	On completion of Course, the students will be able to acquire a solid base of knowledge in the science of geology as a whole as well as earth materials, earth history, sedimentation and stratigraphy, deformational processes and structural features, and geomorphic processes and landforms.
PSO 2	On completion of Course, the students will be able to develop proficiency in oral and written communication of geologic concepts.

Bachelor of Science: Economics

PSO 1	On successful completion of the BSC Economics program, the students are able to Have the Capability to demonstrate comprehensive knowledge and understanding on the basic concepts and theories that form a part of this programme.
PSO 2	On successful completion of the BSC Economics program, the students are able to Expand skills in practical application of economic theory.


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Master of Science: Physics

PSO 1	Understand and communicate the underlying ideas of different phenomenon in our daily life.
PSO 2	Establish private industries based on basic physics for economic development and to solve unemployment problem for the country.

Master of Science: Chemistry

PSO 1	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries.
PSO 2	Understand the social responsibility of chemistry in educating general public about protection of environment against pollution.

Master of Science: Mathematics

PSO 1	Acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.
PSO 2	Understand, formulate and use quantitative models arising in social science, business and other contexts.

Master of Science: Zoology

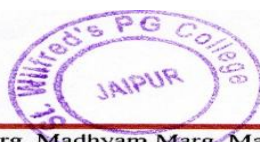
PSO 1	Developing deeper understanding of key concepts of biology at biochemical, molecular and cellular level, physiology and reproduction at organismal level, and ecological impact on animal behavior.
PSO 2	Strengthening of genetics and cytogenetics principle in light of advancements in understanding human genome and genomes of other model organisms.

Master of Science: Botany

PSO 1	Analyze and interpret results generated through studies in botany, taxonomical treatments, field studies, excursion tours and laboratory techniques used in the subject.
PSO 2	Understand the relationship between science and society by recognizing and discussing logical, scientific and ethical issues in Botany subject.

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Master of Science: Geology

PSO 1	On the successful completion of the programme, students will be able to develop proficiency in understanding and conveying complex geological ideas and concepts with clarity in written, online and oral communication and to develop positive values and aptitude necessary to obtain and maintain employment as a professional geologist or to further their education.
PSO 2	On the successful completion of the programme, students will be able to apply the relevant principles of chemistry, physics, mathematics, computing and engineering to varied geological problems.

Master of Science: Psychology

PSO 1	To provide exceptional value based education equivalent to the international standards of professionally train students, who gradually become proficient in fundamentals of psychology and make career in psychology and allied fields.
PSO 2	The emphasis of MSC programme in psychology is on the excellence developed amongst students leading to analytical skills, interdisciplinary collaboration and contribution to the wide-ranging humanistic services to focus on preventive and curative approaches to stimulate positive mental health in society.

Master of Science: Environmental Science

PSO 1	Enabled to understand the research methodologies, design and experimental setup, components of a quality research proposal and scientific communication.
PSO 2	Inculcation of working principles of ecology in environmental management and Ecosystem based management practices.

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