

KABI NAZRUL COLLEGE

AFFILIATED TO THE UNIVERSITY OF BURDWAN
(NAAC ACCREDITED)
Awarded B Grade by NAAC

From PRINCIPAL/TIC





Murarai
P.O – Murarai
Dist – Birbhum (W.B)
Pin – 731219

E-mail: kncollege1986@gmail.com
Website – www.kabinazrulcollege.ac.in

Programme Outcome: B.A

- Graduates of this college's B.A. programme are anticipated to have developed analytical skills that will allow them to handle problem-related challenges as they advance to higher education.
- Although students initially struggle with language skills after being admitted, they should be able to articulate their grasp of the subject matter once they have completed the degree.
- Students enrolled in this curriculum will learn how to critically evaluate academic presentations in various formats, pose questions, and engage in debate on topics that inspire discussion among peers.
- Graduates of this college's programme are able to connect what they have learned from books and in class to social and national challenges.
- Field research and project work allow students to learn independently and apply the theoretical knowledge they were taught inside the classroom walls.
- After completing the training, students gain confidence in their ability to get employment.
- By teaching students to conduct basic research, this college prepares them for more advanced research as they pursue further education.
- The curriculum aims to instill in the children a deeper sense of life values so they can become deserving citizens of the nation.

| Subject | Programme Specific Outcome |
|---|--|
| B.A Bengali Programme  | <ol style="list-style-type: none">Students are expected to develop the language skill to communicate both in writing and verbally.It is expected that at the end of the programme students will get a fair knowledge of the development of Bengali literature vis-à-vis its culture – how it emerged, evolved and sustained despite several upheavals.After graduating they are expected to grow the sense of art and literature that will enable them to understand better the human social and cultural relationships.Students will also become able to undertake some hands-on experimentation with cultural growth and trends of their own locality.Students will also become able to appreciate the art and literature.Students are also expected to learn analytical skills while learning the appreciation ability |
| B.A English Programme  | <ol style="list-style-type: none">Students are expected to acquire the language skills necessary for both oral and written communication after completing the six-semester study.By the time the study ends, students should have a reasonable understanding of how English literature developed in relation to its culture, including how it emerged, changed, and persevered through a number of upheavals.Following graduation, it is anticipated that they will develop a deeper appreciation for literature and the arts, which will improve their understanding of human social and cultural interactions.Additionally, students will get the opportunity to explore firsthand with local cultural trends and growth. Additionally, students will learn to appreciate literature and the arts.Along with developing their appreciation skills, students need also master analytical abilities. |

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|---|--|
| <p>B.A History Programme</p>  | <ol style="list-style-type: none"> 1.To develop ability amongst students to understand various historical interpretations. 2. To uphold ability amongst students to become acquainted with the use of library and archives. 3.To expand employability skills amongst students that will help them to be successful in various competitive exams. 4. To extend skills amongst students for understanding our glorious past heritage and culture and prospect of tourism. 5. To encourage skills amongst students that will help them to participate in thoughtful discussions and they will be able to comprehend different theoretical positions. 6. To widen skills amongst students that will able them to distinguish between primary and secondary historical sources. Through this programme, meaning of various terms, ideas, and historical concepts will be lucid and clear to the students. 7. To inculcate skills amongst students which will help to comprehend historical contexts, chronology, and periodization. Students will be able to analyse the present socio-economic, cultural, intellectual, political developments in the light of the historical facts. |
| <p>B.A Geography Programme</p>  | <ol style="list-style-type: none"> 1.The students acquiring knowledge about distribution and processes of physical features of the earth. 2 The subject helps students to understand dynamic interrelationship between human and environment. 3 It makes them to understand the environment and allow them to act rationally to restore and utilize nature and natural resources. 4 Using geographical knowledge and understanding, students able to map, interpret and evaluate spatial and non spatial data. 5 Students will learn various instrumental and practical knowledge like surveying, levelling and different cartograms to visualise and interpret spatial data. 6 Students will able to analyse the physical as well as social problems and try to find out possible solutions of the problems. 7 Students will understand environmental ethics and sustainability. 8 Students will understand human economy with relation to resource utilization, conservation and management. 9 Students gain a good grounding in modern technical skills like Remote Sensing and GIS and use this in various real world problems. 10 Students will able to plan and manage various strategies in regional level. |
| <p>B.A Political Science Programme</p> | <ol style="list-style-type: none"> 1. Political Science is a dynamic discipline aspiring to impart knowledge on various contemporary issues of politics - local, national and global. 2.Political ideas and ideologies are very important pillars of this discipline. Issues like rights, equality, justice, liberty and their inter-relationship, nationalism, internationalism, secular politics acquire primacy in it. 3.Ideologies like Marxism, liberalism, Gandhism, Fascism, feminism, ecologism, even communalism also occupy important positions in this subject' Students get ample opportunity to study pioneers in this field -both |

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Indian and Western- like Plato, Aristotle, Bodin, Machiavelli, Hobbes, Locke, Rousseau, Laski, Mill, Karl Marx, Kautilya, Rammohan Roy, Bankim, Vivekananda, Ambedkar, Gandhi, Rabindranath Tagore.

4. Public administration and local self-government, good governance - are given due importance. Besides, the nature of state and democracy, social movements from different schools are discussed at length.

5. International institutions and issues find an important position in this course. I-NO, Regional organizations like SAARC, ASEAN, NAIIO - composition and functions, global world order, terrorism, war, peace-keeping process, international institutions like IMF, World Bank, World Trade Organization -their power and functions get prominence in this discipline.

6. Indian foreign policy and her relations with the neighboring countries are taught.

7. Moreover, for the budding scholars research methodology is a handy topic. They are given exposure on preparing PhD thesis and research methods.

B.A Philosophy Programme



1. Knowing the fundamental ideas and characteristics of both Indian and Western philosophy as they pertain to metaphysics and epistemology. Along with being able to articulate difficult ideas rationally and coherently, they will also be able to evaluate arguments and philosophical viewpoints using critical reasoning.

2: The ability to comprehend key ethical theories and issues in both Indian and Western traditions will be demonstrated by the students. Additionally, they will be able to use their understanding of theories, ethical viewpoints, and critical reasoning in real-world situations.

3: This course aids students in understanding the unique characteristics of Indian logic and epistemology.

4: The logical foundations needed to create sound arguments are covered in this course. This course covers the various scientific procedures and approaches. Students learn the nature of psychology and everything related to the mind in a different paper. Additionally, talk about the philosophy of religion.

5: Students that take this course will gain a lifelong dedication to learning and inquiry, as well as a sense of values, a thoughtful attitude, and awareness to the complexity and sub-ethics of philosophical judgment. Additionally, the idea of human rights is also introduced to the pupils.



6: Students will gain a more comprehensive understanding of contemporary Indian and Western philosophers and their contributions to the evolution of philosophical ideas in the 20th century. They will also gain an understanding of two important books: David Hume " An Enquiry Concerning Human Understanding and Rabindranath Tagore Sadhana.

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| <p>B.A Physical Education Programme</p>  | <ol style="list-style-type: none"> 1.This programme aims to equip students with a comprehensive understanding of Physical Education, Exercise, and Sports Science, fostering both academic depth and practical proficiency. 2.By delving into the subject's fundamentals and historical context over three years, students will gain insight into its significance in daily life, emphasizing both physical and mental well-being. 3.Through structured practical classes, they will develop disciplined skills applicable to real-world scenarios. 4.Empowered to independently pursue future projects, students are poised to excel in their chosen fields and contribute to the ongoing advancement of Physical Education, Exercise, and Sports Science, inspiring future generations along the way. |
| <p>B.A Sanskrit Programme</p>  | <ol style="list-style-type: none"> 1. Develop a strong concept of ancient Indian history, philosophy and literature. 2. Enhance communication skills-Listening, Speaking, Reading, writing. Students will be able to write Devnagari scripts which provide them the paleographical knowledge. 3.To read out the script of modern languages like Hindi and Marathi. 4.Students will demonstrate the skill needed to participate in conversation that builds knowledge with collaboration. Students will gain knowledge of the major traditions of literatures written in Sanskrit. 5.To make them eligible for higher education. 6. Prepare students for the profession of Teacher, WBCS, UPSC etc. |

Programme Outcome: B.Sc. General

- a) Students who complete this programme excel in practical tasks.
- b) Students get knowledgeable about the various current trends in scientific research that are taking place locally.
- c) Students graduate as employable individuals who can choose to pursue careers in the workforce or similar training programmes.
- d) This young generation is also encouraged to have a research aptitude, which encourages them to take up some projects in reputable national laboratories after completing the programme.
- e) Students develop their investigative proficiency in order to unlock the doors to the world of information in the future.

| Subject | Programme Specific Outcome |
|--|---|
| <p>B.Sc. Botany Programme</p>  | <p>I. Understanding and insights into: 1. The variety of plant life, including their structure, function, and interaction with the environment. 2. Assessing the diversity of plants. 3. The categorization of plants and the plant life specific to Maharashtra. 4. The significance of plants in the global ecosystem's operations. 5. A range of specialized topics available as electives. 6. The application of statistical methods to biological data.</p> |

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- 2. Intellectual skills – able to:** 1. Think logically and organize tasks into a structured form. 2. Assimilate knowledge and ideas based on wide reading and through the internet. 3. Transfer of appropriate knowledge and methods from one topic to another within the subject. 3. Understand the evolving state of knowledge in a rapidly developing field. 5. Construct and test hypothesis. 6. Plan, conduct and write a report on an independent term project.
- 4. Practical skills:** Students learn to carry out practical work, in the field and in the laboratory, with minimal risk. They gain introductory experience in applying each of the following skills and gain greater proficiency in a selection of them depending on their choice of optional modules. 1. Interpreting plant morphology and anatomy. 2. Plant identification. 3. Vegetation analysis techniques. 4. A range of physiochemical analyses of plant materials in the context of plant physiology and biochemistry. 5. Analyze data using appropriate statistical methods and computer packages. 6. Plant pathology to be added for sharing of field and lab data obtained.
- 5. Transferable skills:** 1. Use of IT (word-processing, use of internet, statistical packages and databases). 2. Communication of scientific ideas in writing and orally. 3. Ability to work as part of a team. 4. Ability to use library resources. 5. Time management. 6. Career planning.
- 6. Scientific Knowledge:** Apply the knowledge of basic science, life sciences and fundamental process of plants to study and analyze any plant form.
- 7. Problem analysis:** Identify the taxonomic position of plants, formulate the research literature, and analyze non reported plants with substantiated conclusions using first principles and methods of nomenclature and classification in Botany.
- 8. Design/development of solutions:** Design solutions from medicinal plants for health problems, disorders and disease of human beings and estimate the phytochemical content of plants which meet the specified needs to appropriate consideration for the public health
- 9. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and development of the information to provide valid conclusions.
- 10. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern instruments and equipments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological activities of plants with an understanding of the application and limitations.
- 11. The Botanist and society:** Apply reasoning informed by the contextual knowledge to assess plant diversity, its importance for society, health, safety, legal and environmental issues and the consequent responsibilities relevant to the biodiversity conservation practice.

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|---|---|
|  | <p>12. Environment and sustainability: Understand the impact of the plant diversity in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</p> <p>13. Ethics: Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.</p> <p>14. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</p> <p>15. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</p> <p>16. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.</p> <p>17. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.</p> |
| <p>B.Sc. Chemistry Programme</p>  | <ol style="list-style-type: none"> 1. Correlating the theoretical knowledge with practical curricula to develop a holistic idea on various animal forms and their functions in light of evolution. 2. Learning the basic biological principles and processes to understand ecology and environment and their proper functioning both theoretically and by a local excursion to obtain and record various data and their subsequent analysis to holistically understand ecology in silico. 3. Developing knowledge of underlying molecular mechanisms of various genetic and cellular phenomena by performing biotechnological techniques to co-relate theoretical molecular genetics and cell biology knowledge. 4. Development of bio-chemical background in various physiological processes to relate the various levels of organisation and interaction amongst them to ensure proper functionality of an individual. 5. Grooming for higher studies by carrying out a mandatory summer trainee program to develop the skills to present and defend any zoological problem in a scientific and structured manner |
| <p>B.Sc Environmental Science Programme</p> | <ol style="list-style-type: none"> 1. To develop scientific outlook among students & society. • 2. Knowledge of Science & Technology: To acquire the knowledge of |

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Science & Technology.

3. Job opportunities: To provide Job opportunities to rural students in information and technology sector.

4. Analytical Reasoning: Ability to evaluate the strengths and weaknesses in a scientific text.

5. Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions from different perspectives.

6. Problem Solving: Ability to cope with complex situations and to read any unfamiliar scientific texts.

7. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

B.Sc Zoology Programme



1. Correlating the theoretical knowledge with practical curricula to develop a holistic idea on various animal forms and their functions in light of evolution.

2. Learning the basic biological principles and processes to understand ecology and environment and their proper functioning both theoretically and by a local excursion to obtain and record various data and their subsequent analysis to holistically understand ecology in silico.

3. Developing knowledge of underlying molecular mechanisms of various genetic and cellular phenomena by performing biotechnological techniques to co-relate theoretical molecular genetics and cell biology knowledge.

4. Development of bio-chemical background in various physiological processes to relate the various levels of organisation and interaction amongst them to ensure proper functionality of an individual.

5. Grooming for higher studies by carrying out a mandatory summer trainee program to develop the skills to present and defend any zoological problem in a scientific and structured manner

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B.Com Programme Outcome

1. Students can get thorough knowledge of Commerce, Accounting, Finance & Management.
2. The knowledge of different specializations in accounting, costing, banking and finance helps the students to understand any work environment.
3. Students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all administration abilities of any organization.
4. Capability of the students to make decisions at personal & professional level will increase after completion of this course.
5. This program could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, warehousing etc., well trained professionals to meet the requirements or students can independently start up their own business.



Course Outcome: CBCS New Syllabus

14 Core Courses (CC), 2 Skill Enhancement Courses (SEC), 4 Discipline Specific Elective Courses (DSE), 4 Generic Elective Courses (GE), and 2 Ability Enhancement Compulsory Courses (AECC) make up the New Syllabus of Honours under semester with CBCS. Course Outcome: CBCS New Syllabus. The New Syllabus of Honours for the semester with CBCS consists of four discipline-specific elective courses (DSE), two skill enhancement courses (SEC), and fourteen core courses (CC). There are two Ability Enhancement Compulsory Courses (AECC) and four Generic Elective Courses (GE).

| Subject | Course Outcome |
|-----------------|---|
| Bengali Honours | Considering the main focuses and crucial general elements of Bengali literature, such as the genre's history, poetry, prosody and rhetoric, padavali and mangal kavya, and prosody, Drama, novels, short stories, essays, grammar, and linguistics are all still taught, but with the addition of Bengali folk literature and the history of English and Sanskrit literature, respectively, students are encouraged to explore cross-cultural studies. The addition of Bengali grammar and stylistics to skill enhancement courses in this new approach gives students instruction that is focused on careers. |
| English Honours | The new syllabus under CBCS in English focuses on seminal texts of Sanskrit Literature in translation that provides students knowledge on the origin of Indian Literature and ethos. While retaining the defining eras of English Literature, the course gives emphasis on American Literature, Popular Literature, Women's Writing, Travel Narrative, Partition Literature, Literary Theory and Criticism, and Research Methodology, all of that help to broaden the perspective of students regarding the literary scenario of the world. Besides, students are trained on Academic Writing, Translation Studies, Creative Writing, ELT, Film Studies and Communicative English as parts of Skill Enhancement Course that |



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|  <p>Geography Honours</p> | <p>develop a humane perspective.</p> <p>Modern geographic techniques like remote sensing and GIS, statistical methods in geography, advanced spatial statistical techniques, and field survey are the main topics of the New Syllabus of Honours in Geography under CBCS, which opens up new avenues for practical geographical research. techniques. Cartograms, Thematic Mapping, Human Geography, Economic Geography, and Disaster Management all play significant roles in this subject, which emphasizes the practical applications of geography. Through this course, the students gain a comprehensive understanding of applied geographic procedures, surveys, and field reports. The subject matter itself incorporates an idea of interdisciplinary discourse, just like other disciplines.</p> |
|  <p>History Honours</p> | <p>In addition to emphasizing significant historical periods, the new History syllabus under CBCS focuses on the practical components of the subject by preparing students to grasp India's cultural heritage through visits to Indian archives and museums. offered classes on art appreciation and Indian popular culture. Aiming to align with the current trends in Culture Studies, the New Syllabus of Honours in History makes an effort to familiarize students with the shifting cultural patterns of global civilization.</p> |
|  <p>Philosophy Honours</p> | <p>A thorough overview of Western and Indian philosophy, ethics, and logic (as taught by both Indian and Western schools) is still the main focus of the New Syllabus under CBCS. In addition, concepts related to psychology, sociopolitical philosophy, philosophy of religion, and philosophical examination of everyday and otherworldly phenomena. The goal of the course is to instill in the students a sense of tolerance, love for our own culture and civilization, and an indigenous sense of universal brotherhood. Students who take the Skill Enhancement Course can have a better understanding of the Indian Constitution and legal system by studying Philosophy in Practice and Philosophy of Human Rights.</p> |
|  <p>Political Science Honours</p> | <p>A thorough examination of Indian politics and governance, international relations, sociology, and public administration will follow a concentration on the standard subjects of discussion in this field, such as Political Theory and schools of Western and Indian political philosophy. Comparative analysis of politics and Indian local government is prioritized in the New Syllabus under CBCS. The discipline introduces Legislative Support, Peace and Conflict Resolution, Public Opinion and Survey Research, and Democratic Awareness through Legal Literacy as part of the Skill Enhancement Course in an effort to help students develop the sociopolitical consciousness they will need to deal with the challenges and changing circumstances of the world. Students are able to contextualise the issues because of the intricate interweaving of the several subfields under Political Science.</p> |
| <p>BA General</p> | <p>The courses and curricula for the B.A. General Course in Arts offered by CBCS are comparable to those of the other disciplines taught at the university, including Bengali, English, Sanskrit, History, Political Science, Geography, Physical Education. Within Students taking this course will gain a wide perspective on the theoretical as well as the technical components of these fields.</p> |

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| Subject | Course Outcome |
|--------------------------------|--|
| B. Com Honours in Accountancy: | Financial Accounting, Cost Accounting, Management Accounting, and other core subjects are still covered in the New Syllabus of Honours in Accountancy under CBCS. Accounting, taxation, auditing, business mathematics, finance, statistics, business management, business and corporate law, and computer applications in the business world, among other topics. Nonetheless, it offers introductions to the Fundamentals of Advertising, Human Resource Management, Marketing Management, and Investment & International Business in separate semesters. In the increasingly globalised economy of today, graduating students can position themselves as highly desirable products in the growing market. |
| B. Com. General: | This course prepares students for professional abilities by aligning its subject areas with those of the B.Com. Honours in Accounting course. |



| Subject | Course Outcome |
|----------------------------|---|
| B.Sc.General in Botany | Develop understanding about the classification and diversity of different microbes including Bacteria, Viruses, Fungi, etc. and other diverse plant groups like, Algae, Fungi & Lichens, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms. Gain knowledge about developing commercial enterprise of microbial products. Understand the structure and reproduction of certain selected bacteria, algae, fungi and lichens. Develop critical understanding on morphology, anatomy and reproduction of Microbes, Algae, fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms. Understand the instruments, techniques, lab etiquettes and practices for working in a microbiology laboratory. Develop skills for identifying microbes and using them for Industrial, Agriculture and Environmental purposes. Develop understanding on the basic chemistry of biomolecules, their involvement in cellular life processes. Develop knowledge on plant cell architecture, their functioning in transducing life processes. Develop practical knowledge on biomolecular identification and basic cellular processes. |
| B.Sc.General in Chemistry: | The syllabus for Chemistry (Gen.) at undergraduate level using the Choice Based Credit system has been framed in compliance with model syllabus given by UGC, New Delhi and State Council under Department of Higher Education, Government of West Bengal. The main objective of framing this new syllabus is to give the students a comprehensive understanding of the subject giving substantial heftiness to both the core content and techniques used in Chemistry. The syllabus has given equal importance to the three main branches of Chemistry – Physical, Inorganic and Organic. The ultimate goal of the syllabus is that the students at the completion of the course would be able to secure a job. Keeping |



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in mind and in tune with the fast changing nature of the subject, adequate emphasis has been given on new techniques and understanding of the subject. The affiliated undergraduate colleges under 'The University of Burdwan' are requested to take necessary measure to ensure that the students must know the modern instruments used in Chemical analysis like Ultrasonication, UV-VIS Spectrophotometric analysis, FT-IR Spectroscopy etc.; moreover, the colleges are also requested to take suitable measures to provide computers with Internet facilities to the students as well as the faculty members. As a result of this, the chemistry department of various undergraduate colleges may take the initiative to arrange educational tour for the students studying in 5th and 6th Semester to academic institute/university where the students can access and be enriched with the modern and sophisticated instruments as mentioned above. It is essential that Chemistry students select their general electives courses from Physics, Mathematics and/or any branch of Life Sciences disciplines.

B.Sc.General in Zoology



The main objective of framing this new syllabus is to give the students a holistic understanding of the subject giving substantial emphasis to both the core content and techniques used in Zoology. Besides acquiring knowledge about Systematic, Animal Structures and Functions of both Chordata and Non-Chordata Species Zoogeography, Adaptation and Evolutionary Biology, Cell Biology and Genetics, Biochemistry, Biological Tools and Techniques, Biodiversity Conservation, Ecology, Biometry, Applied Zoology, Microbiology, Molecular Biology & Biotechnology, Human Immunology and Endocrinology, students are encouraged to pay visits to agricultural farm, sericulture, fishery, poultry farm, marine or forest ecosystem to get acquainted with skill-oriented aspects of the discipline. Apiculture, Aquarium Fish Keeping, and Medical Diagnostic Techniques are introduced as Skill Enhancement Courses. In this way keeping in mind and in tune with the changing nature of the subject, adequate emphasis has been given on new techniques and understanding of the subject. The syllabus has also been framed in such a way that the basic skills of subject are taught to the students, and everyone might not need to go for higher studies and the scope of securing a job after graduation will increase. The students are told to be aware of immense potential of the subject as it is considered to be the discipline of the future human civilization.

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B.Sc.General in Environmental Science

Curricula developed /adopted have relevance to the local/ national/ regional/ global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the programmes offered by the University this curriculum is designed to give a basic understanding of the Earth's life-supporting, ecological systems and the threats to those systems. Environmental Science is aimed to give students a broader understanding of how science and the scientific method work to address environmental problems. The student will become familiar with the Earth's major systems (ecosystems and biogeochemical cycles), how they function and how they are affected by human activity (population growth, air, water and soil pollution, ozone depletion, global warming, and solid waste disposal). Students will learn and gain understanding about the interaction of human society (urban sprawl, energy use/generation, resource consumption and economics) with the Earth's systems. There is a vast scope in private or in the government sector for the environments science degree holders. Job option available for these graduates is to take up teaching assignments in government and non government Institutions. Those who are pursuing B.Sc in Environmental Science can also apply for M.Sc after completing B.Sc.

