

### Specific outcome and course outcome of M. Sc., Nanoscience

<b>Programme Objectives</b>	<b>Title of the Programme: MSc., Nanoscience</b>	<ol style="list-style-type: none"> <li>1. To foundational knowledge of the Nanoscience and related fields.</li> <li>2.To make the students acquire an understanding the Nanoscience and Applications</li> <li>3. To help them understand in broad outline of Nanoscience and Nanotechnology.</li> </ol>
<b>Programme Specific outcome</b>	<p>After completing this course students will be able to:</p> <ol style="list-style-type: none"> <li>1.Learn about the background on Nanoscience</li> <li>2.Understand the synthesis of nanomaterials and their application and the impact of nanomaterials on environment</li> <li>3.Apply their learned knowledge to develop Nanomaterial's.</li> </ol>	

#### Course outcome

S.No	Title of Subject/Course	Couse outcome
1	MNSC11: Basic Of Mathematical Science And Quantum Mechanics	Learn a broad foundational knowledge of the Concept of vector and scalar fields.
2	MNSC12: Physics And Chemistry Of Materials	Understand the importance of the Energy and Crystal classes and symmetry
3	MNSC13: Introduction To Nanoscience	Apply the students the essential role of Nanoscience.
4	MNSEA: Introduction To Material Science	Understand the space lattices and solid characters
5	MNSEB: Basic Biotechnology	Understand the Basic Biotechnology Evolution.
6	MNSC21: Synthesis Of Nanomaterials	Understand the classification nanostructured materials.
7	MNSC22: Environmental Nanotechnology	Understood the principles and Background to nanotechnology
8	MNSC23: Characterization Techniques For Nanomaterials	Understood the principles and Characterization Techniques
9	MNSC31: Methods Of Nanofabrication	Understood the principles and microelectronics fabrication
10	MNSC32: Nanomedicine	To impart understanding on Nanoparticle based Drug Delivery.
11	MNSC33:Properties Of Nanomaterials	Understand the basics Electronic Nanomaterial Properties.
12	MNSC41: Applications Of Nanotechnology	Understand and improved the application of Nanotechnology
13	MNSC42: Nanocomposite	Understand the bases for the molecular structure and Nano composites

14	MNSC43: Nanobiotechnology	Understand the bases for Introduction to Nanotechnology
15	MNSEDFundamentals Of Chemistry	Understand the concept of organic, inorganic physical chemistry, polymer chemistry and Lubricants classification

**Specific outcome and course outcome of M. Sc., Environmental Science (Integrated)**

<p><b>Programme Objectives</b></p>	<p><b>Title of the Programme:</b> MSc., Environmental Science (Integrated)</p>	<ul style="list-style-type: none"> <li>★ To impart theoretical and practical skills that underpins the various aspects of Environmental Science</li> <li>★ To make the students to develop the ability to think analytically and solve problems.</li> <li>★ To apply the skills and knowledge gained through the subject to real life situations and problems related to environment.</li> </ul>
<p><b>Programme Specific outcome</b></p>	<p><b>After completing this course the students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Explain the basic principles of ecosystem and identify the environmental problems</li> <li>2. Develop methods for pollution abatement and resources management.</li> <li>3. Apply the knowledge gained to attain a sustainable Environment.</li> </ol>	

**Course outcome**

S.No	Title of Subject/Course	Course outcome
1	<b>Animal Diversity</b>	To develop a foundational knowledge of the extreme diversity in animal form, function, adaptation and natural history.
2	<b>Plant diversity</b>	Understand the importance of the plant classification and have a basic information of the different plant taxa with example
3	<b>Chemistry -Allied</b>	To impart the knowledge on the essential of chemistry related to environment and resources.
4	<b>Earth process and Geography</b>	To help the students understand the essential components of the earth system.
5	<b>Basic Biology</b>	Understand various aspects of cell organelles and their functions
6	<b>Microbiology and Immunology</b>	To teach the students about the essential of microorganisms and the applications of Immunology .
7	<b>Chemistry - Allied</b>	To make the students understand the principles and basics of chemical reactions related the environment pollution and management
8	<b>Ecology and Ecosystems</b>	Improve ecological literacy by learning the basic principles and concepts of the field of ecology
9	<b>Environmental Chemistry</b>	To impart them the understanding on Particles in the atmosphere and the origin and management of Hazardous wastes.
10	<b>Climatology and Meteorology</b>	To create awareness about the changing climate and global warming.
11	<b>Environmental Pollution and Toxicology</b>	To teach the impact of the major Pollution and its toxic effects in environment.
12	<b>Biochemistry and Biochemical Techniques</b>	To understand the basics of the molecular structure and biosynthesis of macromolecules

13	<b>Biodiversity and Conservation</b>	To impart the importance of biodiversity and create the awareness to conserve components of biodiversity.
14	<b>Environmental Microbiology</b>	To help the students understand about the environmental microbiology and nutrient cycle.
15	<b>Marine Biology</b>	To teach them on the essentials of marine environment.
16	<b>Wastewater treatment Technology</b>	To make the students understand the environmental related problems and challenges in wastewater treatment.
17	<b>Air pollution assessment and control</b>	To provide with a scientific and technical background in air pollution monitoring, pollution control technologies
18	<b>Environmental Analyses and Techniques</b>	To provide with basics of the methodologies and analytical techniques to analyse environmental samples.
19	<b>Fundamentals of Remote Sensing and GIS</b>	To teach the essential components of remote sensing and GIS and its application in environmental science.
20	<b>Forest and Wildlife Management</b>	to impart them with the principles and concepts of conservation. and provide them with knowledge on sustainable Management
21	<b>Ecofriendly Agro Products</b>	To provide knowledge on eco-friendly products and technical skills on bio fertilizer production
22	<b>Agroforestry and Silviculture</b>	To introduce the concepts and methods in agroforestry practices
23	<b>Statistical methods and report writing</b>	to help them understand the statistical techniques within ecological context and to expose them to the art of Scientific report writing.