

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
(A Central University under the Ministry of Education, Govt. of India)
NAAC Accredited A++ Grade University
REGIONAL CENTRE – MADURAI -625018

ADMISSION OPEN FOR JANUARY 2021 SESSION

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Master of Science in Environmental Science (MSCENV)

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| PROGRAMME TYPE | PG DEGREE |
| MODE | Open Distance Learning |
| SCHOOL | School of Inter-Disciplinary and Trans-Disciplinary Studies (SOITS) |
| DURATION | Minimum - 2 Year : Maximum - 4 Years |
| MEDIUM | ENGLISH |
| SPECIALIZATION | Environmental Science |
| DESCRIPTION | Undoubtedly, the earth is finding itself difficult to sustain a growing human population. The issues concerned with the environment are many and are interconnected so much so that a holistic, scientific and sustainable environmental management strategy is the need of the hour. Master of Science (Environmental Science) Programme aims at generating skilled man power to tackle the growing environmental and developmental problems and changes arising from the transition to a sustainable society. This programme will give an insight into the socio-economic causes and the characteristics of pollution and degradation of the natural environment, including the effects on human beings, the atmosphere, ecosystem and the other organisms. The programme will provide learners with the necessary means to develop the capacity to carry out independent assessments on environmental issues. In addition, learners will be well equipped to analyze and assess environmental systems and problems; be able to propose sustainable solutions to environmental problems; and contribute to the development of policies and strategies for environmental planning. Being an interdisciplinary field of knowledge, environmental science includes specializations with multidisciplinary scope in which the students will learn to address |

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| | <p>the challenges of maintenance of environmental integrity for sustainable development in relation to human activities.</p> <p>Programme Objectives:</p> <ul style="list-style-type: none"> • To equip the learners with knowledge and understanding of the physical, chemical and biological processes of the environment • To expose the learners with theoretical principles involved in air, water and soil pollution and monitoring systems • To emphasize the principles and practices involved in sustainable natural resources management and environmental management • To impart knowledge and understanding in impact assessment, environmental audit and laws. |
| ELIGIBILITY | Graduation in Science (B.Sc) from a recognized University |
| FEE STRUCTURE | Rs. 7500/- per year plus registration fee of Rs.200/- in 1st year (Rs. 15000/- for full Programme) |
| PROGRAMME COORDINATOR | Prof. Shachi Shah., sshah@ignou.ac.in, Ph. 011-29573380, Dr. V.Venkat Ramanan, vvramanan@ignou.ac.in, Ph. 011-29571121 and Dr. Deeksha Dave, deekshadave@ignou.ac.in |
| STUDY CENTRES UNDER RC MADURAI | LSC 2504 – Bishop Heber College, Trichy |

Course Details

| First Year | | |
|-------------|------------------------------------------------------------------------|---------|
| I Semester | | Credits |
| MEV 11 | Fundamentals of Environmental Science and Ecology | 4 |
| MEV 12 | Earth Processes | 4 |
| MEV 13 | Environmental Chemistry | 4 |
| MEVL 11 | Environmental Science Lab Course -1 | 4 |
| II Semester | | |
| MEV 14 | Sustainable Natural Resource Management | 4 |
| MEV 15 | Environmental Pollution, Control and Management | 4 |
| MEV 16 | Environmental Impact Assessment | 4 |
| MEVL 12 | Environmental Science Lab Course -2 | 4 |
| | Elective Course (Choose any one course from the elective courses list) | 4 |

| Second Year | | |
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| III Semester | | |
| MEV 17 | Environmental Legislations | 4 |
| MEV 18 | Environmental Health and Ecotoxicology | 4 |
| MEV 19 | Research Methodology for Environmental Science | 4 |
| MEVL 13 | Environmental Science Lab Course – 3 | 4 |
| | Elective Courses (Choose any one course from the elective courses list) | 4 |
| IV Semester | | |
| MEVP 11 | Dissertation/Project | 8 |
| | Elective Course (Choose any one course from the elective courses list) | 4 |
| | Elective Course (Choose any one course from the elective courses list) | 4 |

Elective Courses (Choose any four courses: One each for Sem. II & Sem.-III and two for Sem. IV)

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| MEVE 11 | Global Climate Change | 4 |
| MEVE 12 | Environmental Management | 4 |
| MEVE 13 | Environmental Biotechnology | 4 |
| MEVE 14 | Biodiversity Conservation and Management | 4 |
| MEVE 15 | Disaster Management | 4 |
| MEVE 16 | Urban Environment | 4 |
| MEVE 17 | Environment and Society | 4 |
| MEVE 18 | Instrumentation Techniques for Environmental Monitoring | 4 |
| MEVE 19 | Environmental Issues | 4 |

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FOR MORE DETAILS CONTACT:

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<http://rcmadurai.ignou.ac.in/>