

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

IG/P&DD/ODL/Launch/891
24th November, 2023

Academic Programme Launch Notification No. 129
B.Sc (Applied Science - Energy) (BSCAEY)

With the approval of the Competent Authority, the programme B.Sc (Applied Science - Energy) (BSCAEY) will be offered through ODL mode from **January, 2024** session as per the following details:

Eligibility: 10+2 (With Mathematics and Physics)

Medium of Instruction: English

Duration: Minimum 03 Years; Maximum 06 Years

Fee Structure: ₹ 7,200/- per annum

Programme Details: Total Credits: 120

Examination Mode: Semester-wise

Study Materials: Print and Digital (Both)

Expected Enrolment: 1000 per year

Courses:

Course Code	Title of the Course	Type of Course	Course Credits
FIRST SEMESTER (One Elective is to be taken from elective courses)			
BEY-001	Thermal Science	Compulsory, Theory	4
BEY-019	Real Analysis and Discrete Mathematics	Compulsory, Theory	4
BEY-012	Electrical and Electronic Sciences	Compulsory, Theory	4
BEVAE-181	Environmental Studies	Compulsory, Theory	4
BHDAE-182	Hindi Bhasha aur Sampreshan	Elective Theory	4
BEGAE-182	English communication skill	Elective Theory	4
BEYE-022	Sanskrit Bhasha aur Sampreshan	Elective Theory	4
SECOND SEMESTER			
BEY-002	Energy Resources	Compulsory, Theory	4
BEY-005	Energy Efficiency and Management	Compulsory, Theory	4
BEY-003	Fluid Mechanics	Compulsory, Theory	4
BEY-018	Linear Algebra and Calculus	Compulsory, Theory	4
BEY-020	Computer Basics and PC Software	Compulsory, Theory	4

Neeti Arora

निदेशक / Director
योजना एवं विकास प्रभाग
Planning & Development Division
इ.गौ.रा.मु.वि., मैदान गढ़ी, नई दिल्ली-68

Course Code	Title of the Course	Type of Course	Course Credits
THIRD SEMESTER (One Elective is to be taken from elective courses)			
BEY-004	Zero Emission Vehicles	Compulsory, Theory	4
MST-003	Probability Theory	Compulsory, Theory	4
BEY-015	Data Analysis with R and Python	Compulsory, Theory	4
BEYL-016	Data Analysis with R and Python Lab	Compulsory, Practical	2
BEYL-021	Computer Basics and PC Software Lab	Compulsory, Practical	2
BEYE-023	Stories from Indian Epics, Puranas and Siddhanta(s)	Elective Theory	4
BEYE-024	Hindi ka Rashtriya evam Sanskritik Kavya	Elective Theory	4
FOURTH SEMESTER (Any One Elective is to be taken from the elective courses)			
BEY-006	Bio-Energy	Compulsory, Theory	4
MST-004	Statistical Inference	Compulsory, Theory	4
BEY-014	Statistical Methods	Compulsory, Theory	2
MSTL-001	Basic Statistics Lab	Compulsory, Practical	2
BEYP-028	Project – 1	Compulsory, Project	4
BSKAE-181	Bhartiya Gyan Parampara	Elective Theory	4
BEYE-026	Vaidik Ganit ke Anuprayog	Elective Theory	4
CBKG-002	Kal Ganana ki Vidhiyan	Elective Theory	4
BEYE-025	Netaji Subhash Chandra Bose and India's Freedom	Elective Theory	4
FIFTH SEMESTER (One Elective is to be taken from the Remaining elective courses)			
BEY-007	Power Generation, Transmission and Distribution	Compulsory, Theory	4
BEY-009	Wind Energy	Compulsory, Theory	4
BEY-011	Energy and Buildings	Compulsory, Theory	4
MSTE-001	Industrial Statistics – I	Compulsory, Theory	4
BSKAE-181	Bhartiya Gyan Parampara	Elective Theory	4
BEYE-026	Vaidik Ganit ke Anuprayog	Elective Theory	4
CBKG-002	Kal Ganana ki Vidhiyan	Elective Theory	4
BEYE-025	Netaji Subhash Chandra Bose and India's Freedom	Elective Theory	4
SIXTH SEMESTER			
BEY-008	Solar Energy	Compulsory, Theory	4

Course Code	Title of the Course	Type of Course	Course Credits
BEY-013	Energy Conversion and Storage	Compulsory, Theory	4
BEY-010	Energy Economics	Compulsory, Theory	4
MSTE-002	Industrial Statistics – II	Compulsory, Theory	4
BEYP-029	Project – 2	Compulsory, Project	4

Details of Approval in the Academic Council: Approved in 61st ACSC, held on 04th July, 2023.
(Item no. 61.2)

Contact Details of Programme Coordinators:

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To
Directors of Schools, Head of Divisions
AR, VCO & PS to all PVCs

Neeti Agrawal
24/11/2023
(Prof. Neeti Agrawal)
Director, P&DD

निदेशक / Director
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