



teri school of
advanced studies

LEADERS IN ENVIRONMENT AND SUSTAINABILITY EDUCATION

ACCREDITED WITH 'A' GRADE BY NAAC

DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT

Degree in
Data Science
B.Sc.
B.Sc. (Honours)
**B.Sc. (Honours with
Research)**
Integrated M.Sc.



ABOUT TERI SCHOOL OF ADVANCED STUDIES

TERI School of Advanced Studies is a premier institution dedicated to education and research in sustainability, environment, energy, and public policy. Established as a deemed-to-be university, TERI SAS offers interdisciplinary programs that integrate science, policy, and management to address global and local sustainability challenges. The university emphasizes research-driven learning, experiential education, and industry engagement, preparing students for leadership roles in academia, government, corporate sustainability, and development sectors.

TERI SAS offers diverse range of programs designed to address global sustainability challenges and environmental needs. The university offers MSc programs In Environmental Studies & Resource Management, Economics, Geoinformatics, Climate Science & Policy, Water Science & Governance, and Biotechnology. It also offers an MBA in Sustainability Management, alongside MTech programs. For those interested in law, the university provides LL.M. programs in Environment & Natural Resources Law and infrastructure & Business Law.

Additionally, TERI SAS offers MA programs in Public Policy & Sustainable Development and Sustainable Development Practice, the latter in collaboration with the MacArthur Foundation, USA. The university also offers four-year undergraduate degree programs (FYUP) in Data Science, Environmental Studies, Economics, and Business Administration, as well as five-year integrated postgraduate degree programs (FYIPP). All programs are aligned with the National Education Policy (NEP) 2020, featuring multiple entry and exit options that cater to employability opportunities and emerging career paths.

TERI SAS has established excellent partnerships and collaborative arrangements with a number of institutions overseas, including Yale University, USA; The Freie University of Germany; Utrecht University, The Netherlands; North Carolina State University, USA; and University of Technology, Australia.

ABOUT THE DEPARTMENT

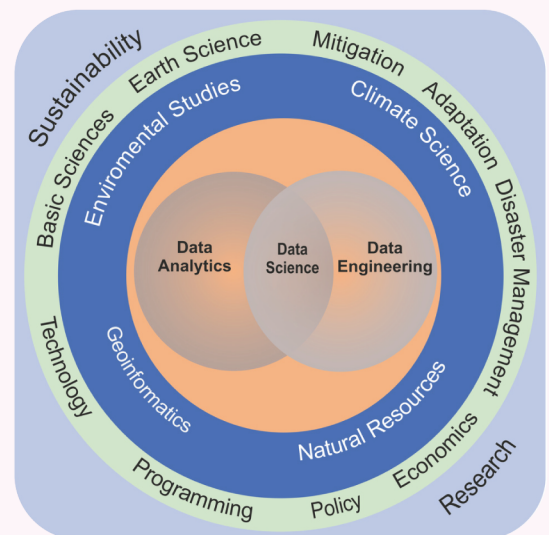


The Department of Natural and Applied Sciences (DNAS) is multidisciplinary in nature dedicated to advancing knowledge through education and research. It offers programs that blend fundamental sciences with modern technological advancements for encouraging critical-thinking and problem-solving. With a strong emphasis on interdisciplinary collaboration, the department prepares students for impactful careers in data science, environment studies, geoinformatics, climate science, natural resource and sustainability. Through cutting-edge research and industry engagement, it contributes to addressing real-world challenges in science and technology.

DNAS offers four distinct interdisciplinary masters programs in Climate Science and Policy, Environmental Science and Resource Management, and Geoinformatics; and two transdisciplinary Ph.D. Programs in Natural Resource Management. Students pursuing their Master's / Doctoral programme at DNAS are exposed to an academically rigorous

and interdisciplinary learning environment with a significant emphasis on laboratory work and engagement with contemporary debates, emphasizing exploration and creative thinking and application as essential ingredients of originality in research and learning.

DNAS offer two undergraduate programmes in Environmental Studies and Data Science. The BSc Data Science program offered by the Department of Natural and Applied Sciences is a highly relevant and interdisciplinary program that equips students with essential skills in data analytics, machine learning, and statistical and spatial modelling. The BSc Environmental Studies program is designed to build a cadre of professional who are equipped with the knowledge and skill set to deal with scientific and policy aspects related to environment and resource management. In the current world, when we are looking to achieve the target of Net Zero Carbon Emission and Sustainable Development Goals (SDGs), these professionals will act as a leader for sustainable future. With a strong focus on practical applications and research, it prepares students for dynamic careers in the data-driven world.





The degree program – Undergraduate (UG) and Postgraduate (PG) have been designed in accordance with the National Education Policy (NEP) 2020 and the recent guidelines issued by the University Grants Commission with in-built options of Multiple Entry and Multiple Exit mapped with employability opportunities.

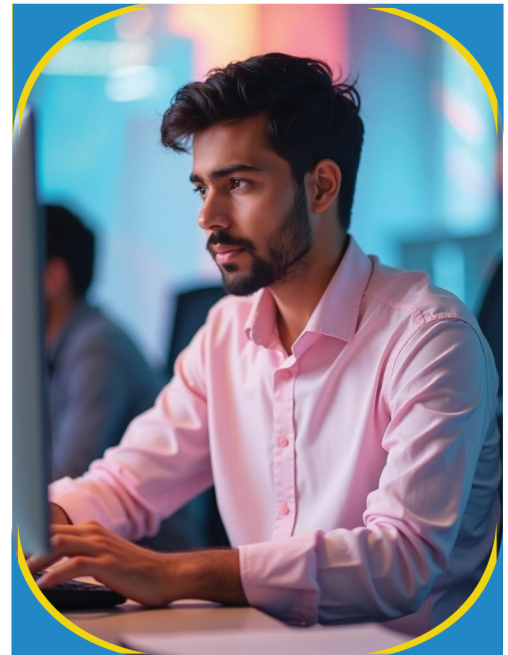
ELIGIBILITY CRITERIA

Senior Secondary School Examination (12th Grade) Certificate or equivalent in any discipline from a recognized Board of Education with at least 50% marks in aggregate can apply.

ADMISSION CRITERIA

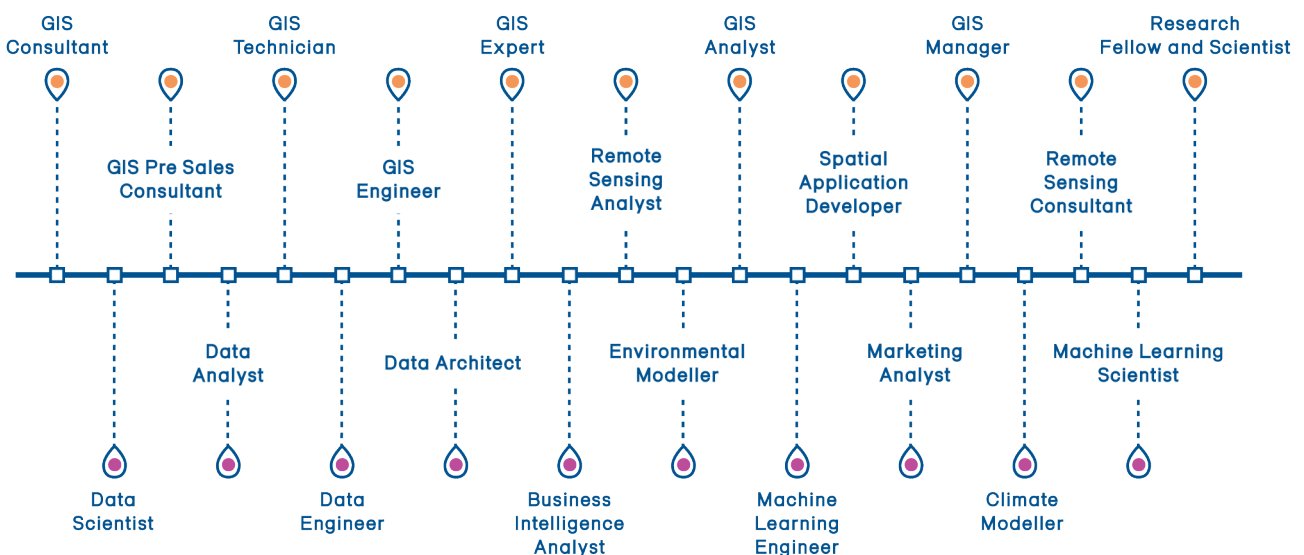
CUET-UG/JEE Mains/NEET or direct admission (through counseling). In all cases, the students are required to register online at the admission link that will be provided once the admissions are announced.

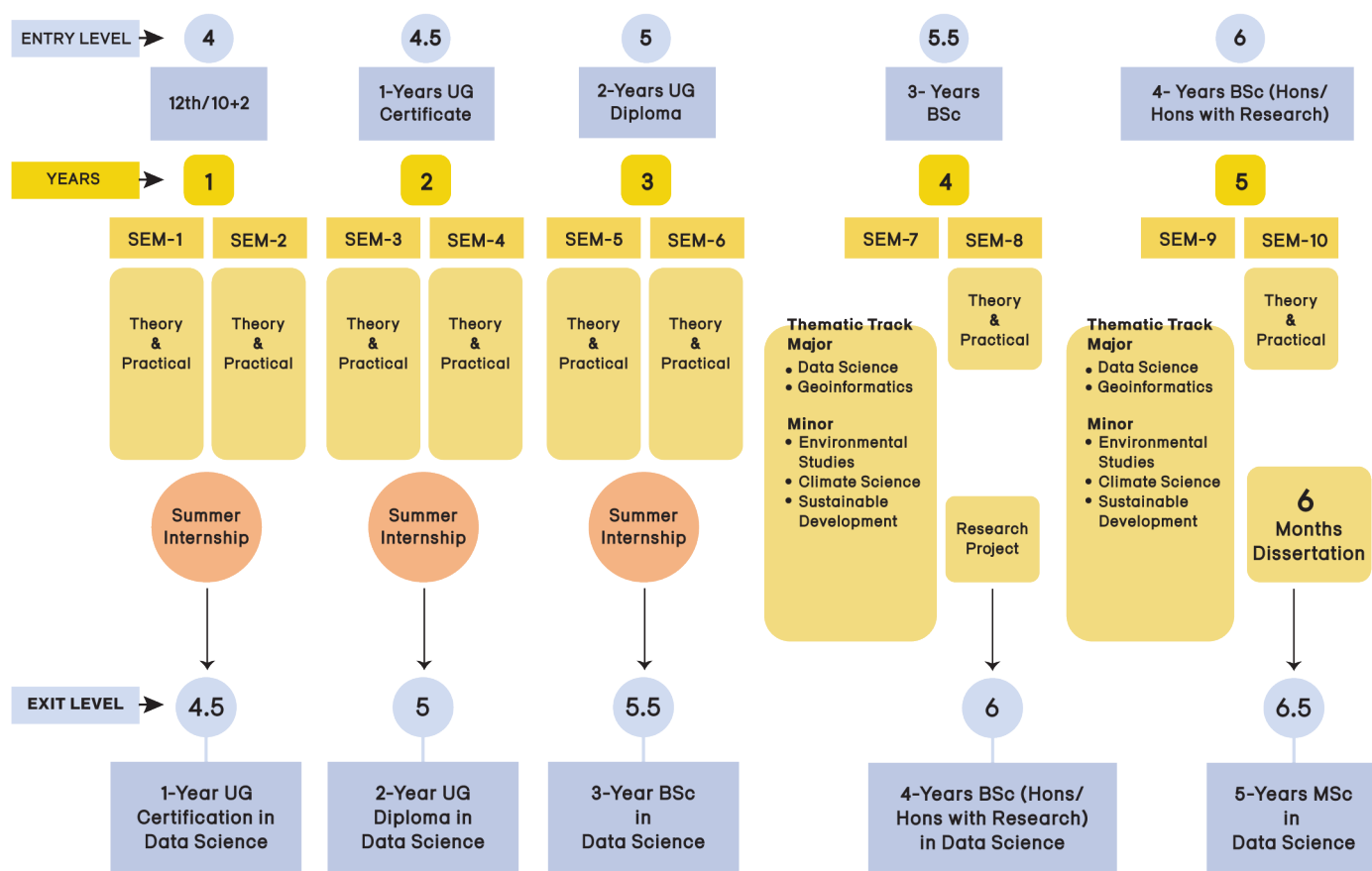
For any further query write to admissions@terisas.ac.in.



CAREER OPPORTUNITIES

The program facilitates a wide spectrum of career opportunities leading to career paths based on students' interests.





Programme Structure with Multiple Entry & Exit options

THE UNIQUE FEATURES OF THE PROGRAM ARE:

- Develop foundational knowledge on statistical learning, computing fundamentals and predictive models with extensive hands-on expertise.
- Exposure to state-of-the-art programming tools and computational technologies through procedural and object-oriented languages (C, C++, Python, JAVA, MySQL/NoSQL) for cross-cutting application development.
- Understanding of ethical implications, data privacy issues and algorithm biasness required for policy making and decision planning.
- Enhance leadership and entrepreneurial skills in multi- and inter-disciplinary domains.
- Skill-based human resource development under various thematic areas.
- Mapped with the application of data science to achieve all the Sustainable Development Goals (SDGs) and National Missions.



LIMITED SLOTS AVAILABLE FOR
SCHOLARSHIPS



Unlock Your Future

with

**TOP PLACEMENTS & PRESTIGIOUS INTERSHIPS
IN LEADING ACADEMIA INDUSTRY INDUSTRIES**



terischool

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