



Admission Opening Soon !



Want to learn more? Contact us!

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For further details, please visit: <https://entrance.ioe.edu.np/>



Tribhuvan University
Institute of Engineering (IOE)
Pulchowk Campus

Department of Applied Sciences and Chemical Engineering

Offers

Master of Science
in
Climate Change and Development (MSCCD)

About the Program

- Established: 2070 BS (2013 AD)
- Location: IOE Pulchowk Campus
- Graduates: 100+
- Alumni working in academia, government, NGOs, INGOs, and research institutions

Why Study Climate Change & Development?

Climate change is one of the most critical global challenges of the 21st century, affecting ecosystems, livelihoods, infrastructure, and economies.

The MSCCD program equips students with:

- Scientific understanding of climate systems
- Skills to analyze climate risks and impacts
- Tools for mitigation, adaptation, and resilience planning
- Capacity to link climate science with development policy

Program Highlights

- Multidisciplinary curriculum integrating science, technology, economics, and policy
- Focus on real-world climate problems: floods, landslides, droughts, glacier melt, extreme weather
- Training in climate modeling, data analysis, and impact assessment
- Exposure to modern climate tools and software
- Research-oriented learning with experienced faculty

Courses include:

- Sustainable Development Goals and Climate Policy
- Climate Change Adaptation and Mitigation Measures
- Emerging Technologies in Climate Change Mitigation
- Climate Change Economics and Policy Analysis
- Proficiency in Quantitative and Qualitative Modeling Techniques
- Climate Change Modelling and Simulations
- Global and Regional Climate Models Experience with a wide range of climate change-related software
- Environmental Impact Assessment and Policy (EIAP)

Career Opportunities

Graduates can pursue careers as:

- Climate Scientist
- Climate Policy Analyst
- Environmental Economist
- Sustainability Manager
- Environmental Policy Advisor
- Environmental Scientist
- Conservation Scientist
- Geologist
- Climatologist
- Renewable Energy Scientist

Eligibility

- B.Sc. (all disciplines)
- B.E. (all disciplines)
- B.Sc. CSIT
- B. Tech
- BIT
- B.Sc. Forestry
- B.Sc. Agriculture

Cutting Edge Research Activities

- Snow Melting
- Glacier Shrinking
- Climate extremes and disaster risk
- Rainfall variability and temperature rise in the high mountains
- Climate modeling and projections
- And more... !

