# Minor in Sustainability

## Why is this minor for you?

### Sustainable Thinking Integration

Foster an intrinsic awareness of environmental impact and ethical responsibility for any industry or profession of your choice

### Professional Sustainability Expertise

Develop the knowledge and skills essential for leading sustainability initiatives, whether through advanced studies or industry engagement

### Interdisciplinary Sustainability Education

Gain a comprehensive understanding of and holistic perspective on sustainability through a diverse range of courses across departments

## Courses

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| **Odd Semester** | |
| BT5460 | Biotechnology for Biofuels |
| CE3030 | Water Resources Engineering |
| CE3241 | Sustainable Environment and Infrastructure Systems |
| CE5825 | System Dynamics Modeling for Circular Economy |
| CE6011 | Smart Buildings and Automation |
| CE6015 | Solid Waste Management |
| CH3170 | Ecological Engineering |
| CH5015 | Process Safety |
| CH5022 | Solar Photoelectrochemistry |
| HS5140 | Transitions and Transformations to Sustainability |
| HS5760 | Climate Economics |
| ID5070 | Energy Economics |
| ME6060 | Fundamentals of Combustion |
| MM5019 | Material Science for Sustainability |
| **Even Semester** | |
| CE4011 | Introduction to Atmospheric and Climate Sciences |
| CE4610 | Water Management |
| CE5014 | Sustainable Construction |
| CE6215 | Soil-Plant-Atmosphere continuum |
| CH5013 | Principles of Fuel Cells |
| CH5023 | Unconventional Oil and Gas Resources |
| CH5370 | Environmental Quality Monitoring and Analysis |
| ED5345 | Powertrains and Fuels |
| HS2014 | Environment and Society |
| HS5060 | Technology & Sustainable Development |
| HS5502 | Climate Change, Technology and Sustainable Development |
| ID6106 | Materials for energy storage and conversion |
| MM5320 | Corrosion Engineering |
| MM5530 | Hydrogen assisted Green Steelmaking |

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# Alumni Testimonials



"In these ever changing and challenging times when nations and people are facing the brunt of climate change, sustainability is a must-do attribute in all realms of development. Structured courses and educational modules offer the much-needed skill to approach every aspect of development through the lens of sustainability. I encourage all students to take this **Minor in Sustainability** so that you are prepared to be ahead of your peers in profession."

**Mili Majumdar**, Distinguished Alum, 2024
Managing Director, GBCI, India
Senior Vice President, U.S Green Building Council, USA

"The energy transition will see the largest global capital redeployment since the Industrial Revolution. It is vitally important for every graduate today to understand how their field will impact and be impacted by this transition. The **Minor in Sustainability** is a great way for every undergraduate to get a foundational understanding of this transition."



**Naveen Unni**, BTech, 2001
Managing Partner, TVS Capital Funds



"Sustainability is high on everyone's agenda. We have numerous initiatives and full teams dedicated towards assessing and improving our environmental impact. In just a few years, sustainability has evolved from a side note to an integral aspect of our business operations. As a student, opting for a **Minor in Sustainability** is likely to open exciting new career paths for you."

**Sriram Viji**, BTech, 2000
Managing Director, Brakes india

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