Environment & Sustainability

Bridging Disciplines Programs allow you to earn an interdisciplinary certificate that integrates area requirements, electives, courses for your major, internships, and research experiences.

The Environment & Sustainability BDP gives you the opportunity to explore a variety of disciplinary approaches to environmental processes and contemporary environmental issues. By bringing together courses in natural sciences, social sciences, design disciplines, and the humanities, this program affords a complex understanding of how the diverse parts of the earth’s environment and society interact. Designed to complement a range of majors, the Environment & Sustainability BDP prepares you to address environmental issues in careers as researchers, writers, policy makers, sustainable business leaders, and educators. Through the Connecting Experiences component of the BDP, you will have the opportunity to participate in an array of internship and research experiences related to the environment and sustainability.

Upon completion of 19 credit hours from the options listed to the right, you will earn a certificate in Environment & Sustainability.

The Environment & Sustainability BDP is overseen by a panel of faculty members from across campus. Members include Chris Bell (Geological Sciences), Lucy Atkinson (Advertising and Public Relations), Jay Banner (Geological Sciences), Timothy Beach (Geography and the Environment), Ken Dunton (Marine Science Institute), James Dyer (Information, Risk & Operations Management), Jules Elkins (Geography and the Environment), Matt Fajkus (Architecture), Travis LaDuc (Integrative Biology), Mary Poteet (Integrative Biology and Geological Sciences), Megan Raby (History), and Scott Swearingen (Sociology).

The Bridging Disciplines Programs offer interdisciplinary certificates in the following areas:

- Children & Society
- Conflict Resolution & Peace Studies
- Design Strategies
- Digital Arts & Media
- Environment & Sustainability
- Ethics & Leadership in Business
- Ethics & Leadership in Health Care
- Ethics & Leadership in Law, Politics & Government
- Human Rights & Social Justice
- Innovation, Creativity & Entrepreneurship
- Museum Studies
- Patients, Practitioners & Cultures of Care
- Public Policy
- Smart Cities
- Social Entrepreneurship & Non-profits
- Social Inequality, Health & Policy

In order to create an interdisciplinary experience, you must choose courses from a variety of disciplines. Individual course listings for these categories are located on the opposite side of this page.

In order to complete your BDP certificate, write a 3-4 page integration essay in which you reflect on what you learned and accomplished through your BDP experience. This essay is your opportunity to draw connections among your interdisciplinary BDP coursework, your Connecting Experiences, and your major. For additional guidelines, please consult your BDP advisor.

For more information about the Bridging Disciplines Programs, go to www.ugs.utexas.edu/bdp or email us at bdp@austin.utexas.edu.

Follow us on Instagram: @ut_bdp
Complete 9-12 credit hours of strand courses drawn from the list below. Please speak with your BDP advisor about your plan for fulfilling your strand course requirements. Only one of your strand courses may come from your major department(s), or from courses cross-listed with your major department(s). You may petition for environment-related courses not appearing on this list to be counted toward the strand course requirement; please consult your BDP advisor if you are interested in submitting a petition.

**Natural Science and Engineering**
- ARE 346N: Building Environmental Systems
- BIO 208L: Field Botany
- BIO 301L: Molecules To Organisms
- BIO 301M: Ecology, Evolution, & Society
- BIO 311: Introductory Biology I
- BIO 311D: Introductory Biology II
- BIO 337: Renewable Rsrscs: Envir/Future
- BIO 351: Economic Botany
- BIO 373: Ecology
- BIO 375: Conservation Biology
- C E 341: Intro To Environmental Engr
- C E 342: Water & Wastewater Tmtment Engr
- C E 370L: Climate Change Mitigation
- CH 304K: Chemistry In Context I
- CH 305: Chemistry In Context II
- CHE 341: Design For Environment
- CHE 379: Greenhouse Gas Control Technol
- E E 362S: Devel Of Solar-Powered Vehicle
- E E 362S: Devel Of Solar-Powered Vehicle
- EVE 302: Foundations Of Environmental Engineering
- EVE 310: Sustainable Systems Engr
- EVS 311: Introductory Field Seminar In Environmental Science And Sustainability (Restricted to EVS students)
- GEO 302C: Climate: Past, Present, Future
- GEO 302E: Earth, Wind, and Fire
- GEO 302G: Earth Science/Sustainability
- GEO 302M: The Age Of Mammals
- GEO 303: Introduction To Geology
- GEO 303E: Earth in 2100
- GEO 341: Mineral Resources/Soc’y/Envr
- GEO 347G: Climate System Modeling
- GEO 371T: Decision Pathways
- GEO 476M: Aqueous Geochemistry
- M E 363M: Energy, Technology & Policy
- MNS 307: Introduction To Oceanography
- MNS 308: Humans And A Changing Ocean
- MNS 320: Marine Ecology
- MNS 354Q: Marine Environmental Science- Port Aransas
- MNS 367K: Human Explor/Exploitatn Of Sea
- MNS 353: Marine Community Ecology
- MNS 353: Micropstcs in Coastal Envir

**Natural Science and Engineering (Continued)**
- MNS 367K: Human Explor/Exploitatn Of Sea
- NSC 325: Inventors Program Practicum
- PBH 338: Environmental Health (When Topic is Appropriate)
- PGE 301: Engineering, Energy, The Envir
- TXA 365: Sustainable Fashion Textiles
- TXA 365: Sustainable Materials Textiles
- TXA 365: Sustainable Texts Biomateri-WB

**Social Science**
- ANT 324L: Archaeology Of Climate Change
- ANT 324L: Political Ecology
- ANT 324G: Environmental Anthropology
- ANT 325R: Cultures And Ecologies
- ANT 325C: Cultures Of Sustainability
- ECO 321: Public Economics
- ECO 359M: Envir & Natural Resource Economics
- GOV 355M: Environmental Politics
- GOV 355M: The Politics of Protecting the Great Barrier Reef
- GOV 365V: European Environmental Politics
- GRG 322D: Human Health & the Environment
- GRG 325E: The Healthy, Livable City
- GRG 331K: Nature, Society, And Adaptation
- GRG 333K: Climate Change*
- GRG 334E: Children’s Environment Health
- GRG 334L: Vulnerability to Nat Haz-WB
- GRG 335D: Anthropocene
- GRG 336C: National Parks/Protected Areas
- GRG 339K: Envir, Development & Food Production
- GRG 340D: Polit Ecol of Global Envir Deg
- GRG 342C: Sustainable Development
- GRG 342S: Sustainability Equity Health
- GRG 344K: Global Food, Farming, & Hunger
- GRG 356: Global Sustainability/Soil
- GRG 356: When Topic is Appropriate
- GRG 360G: Envir Geographic Info Systems
- GRG 401C: The Natural Environment
- GRG 460G: Envir Geographic Info Systems
- HS 340: Climate Change & Health
- NTR 331: Intntl Ntr: Soc’y/Envr Policies
- SUS 301: Intro To Sustainability Studies
- SOC 309C: Creating Sustainable Soc’y
- SOC 323S: Building The Sustainable City
- SUS 379L: Directed Internships In Sus

*GRG 333K OR ANT 324L may be counted, not both.

**Humanities**
- AMS 311S: Environ Justice/Culture/Soc
- AMS 370: Environment/Justice/Media
- DES 322: When Topic Is Appropriate
- E 343G: Global Environmental Literature And Film
- E 343S: Sustainability & Representa
- E 345F: Matters Of Taste: Lit, Culture, Environment
- E 376M: Multi-Ethnic Lit Environmt
- HIS 346V: 20th-Cen Rural Latin America
- LAH 350: Environmental Justice
- HIS 350L: Global Environmental History
- HIS 350L: Radical Hope & Global Enviro
- HIS 350R: Envir History Of North America
- LAS 370S: Environmental Engagements
- MAS 350E: The Environment And Mexican America
- P A 159R: UT Energy Symposium
- RHE 309K: Rhetoric Of Sustainability
- RHE 309K: When Topic is Appropriate
- RHE 330C: Rhetoric Risk Envrmtl Justice

**Business, Communication, and Education**
- ADV 323: Public Comm Of Sci Tech-Wb
- ADV 324: Communicating Sustainability
- BGS 370: Energy Technology And Policy

**Architecture and Fine Arts**
- ARC 327G: Regenerative Architecture
- ARC 327R: Light And Sustainable Design
- ARC 327R: Sustainability: Why This Way
- ARC 334L: Environmental Controls II
- ARC 350R: Energy Modeling & Design Proc
- ARC 350R: Environmental Readings
- ARC 350R: Smart, Green And Just-Eng
- ARC 368R: Mod Hist of Sustainbl Arch-GER
- T D 354T: Zero Waste Design Fab

**International**
- GRG 323K: South Amer: Nat/Soc’y/Sust-ECU (Maymester)
- GRG 356T: Envir-Cul Dynamics-BWA
Important Notes on Fulfilling Your BDP Requirements

- **PREREQUISITES:** Some courses may have prerequisites. Please consult your BDP advisor to determine eligibility for enrolling in specific courses.
- **CROSS-LISTINGS:** Many courses on this list may be cross-listed with other departments. You may take these courses under any of the cross-listed numbers. Please consult the course schedule for cross-listing information.
- **GRADES AND GPA REQUIREMENTS:** In courses taken for letter grades, you must obtain a grade of C- or better to meet BDP requirements. The cumulative GPA of all courses counting toward your BDP certificate must be at least 2.0.
- **PASS/FAIL:** Only one BDP course, including connecting experience courses, may be taken pass/fail. Any exceptions will be considered by the faculty panel on an individual basis.
- **SIGNATURE COURSES:** Many of the First-Year Signature Courses (UGS 302 and 303) that include significant content related to Environment & Sustainability may also count toward your certificate; please consult your BDP advisor for more information.
- **PETITIONS:** You may be able to count courses toward your BDP certificate that do not appear on this curriculum sheet if enough of the content relates to your BDP topic. Please consult your BDP advisor if you would like to petition a course to count toward your BDP.
- **UPPER-DIVISION COURSEWORK:** At least 9 of your 19-hour BDP certificate must be upper-division. Please consult your BDP advisor to ensure that your course and Connecting Experience selections will meet this requirement.

(Updated: February 2021)