



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), Ken Dunton (Marine Science Institute), James Dyer (Information, Risk & Operations Management), Matt Fajkus (Architecture), Heather Houser (English), Travis LaDuc (Texas Memorial Museum), Edgardo Latrubesse (Geography and Environment), Des Lawler (Engineering), Suzanne Pierce (Geological Sciences), and Mary Poteet (Integrative Biology and Geological Sciences).

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

Children & Society	Ethics & Leadership in the Media
Conflict Resolution & Peace Studies	Human Rights & Social Justice
Digital Arts & Media	Innovation, Creativity & Entrepreneurship
Environment & Sustainability	Media, Culture & Identities
Ethics & Leadership in Business	Public Policy
Ethics & Leadership in Health Care	Social Entrepreneurship & Non-profits
Ethics & Leadership in Law, Politics & Government	Social Inequality, Health & Policy

For more information about the Bridging Disciplines Programs, visit FAC 338, go to www.utexas.edu/ugs/bdp, or call (512) 232-7564.

*On their official university transcripts, students graduating with this certificate before Fall 2016 will receive a certificate in the Environment; the certificate name Environment and Sustainability will be reflected for students graduating Fall 2016 or later.

Foundation Courses (1 Credit Hour)

Foundation courses introduce key methodologies and concepts related to the Environment & Sustainability. All students in the Environment & Sustainability BDP are required to take the Forum Seminar.

I. Forum Seminar

BDP 101: Environmental Change & Sustainability

Connecting Experiences (6-9 Credit Hours)

Your BDP advisor can help you find internships and research opportunities that connect the Environment & Sustainability to your major. We call these opportunities "Connecting Experiences" because they play such an important role in integrating your studies. Each Connecting Experience counts for 3 credit hours. **You will need to complete at least two Connecting Experiences.**

For more information and for examples of past connecting experiences, visit www.utexas.edu/ugs/bdp and consult your BDP advisor.

Strand Courses (9-12 Credit Hours)

In addition to your Foundation Course and Connecting Experiences, you must complete 9-12 credit hours of strand courses, to bring your total credit hours toward the BDP certificate to 19 hours. You should work with your BDP advisor to choose strand courses that will focus your BDP on your specific interests, and that will provide you with an interdisciplinary perspective on your BDP topic.

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.

Integration Essay

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.

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. **Note that only one of your strand courses may come from your major department(s), or from courses cross-listed with your major department(s).** Also note that 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 Biology
 BIO 301L: Molecules to Organisms
 BIO 301M: Ecology, Evolution, & Society
 BIO 311C: Introductory Biology I
 BIO 311D: Introductory Biology II
 BIO 351: Economic Botany
 BIO 373: Ecology
 BIO 375: Conservation Biology
 C E 341: Intro to Environmental Engr
 C E 342: Water & Wastewater Treatmt Engr
 C E 370K: Environmntl Sampling and Analysis
 CH 304K: Chemistry in Context I
 CH 305: Chemistry in Context II
 CHE 341: Design for Environment
 CHE 357: Technology and its Impact on Envir
 GEO 302C: Climate: Past, Present, Future
 GEO 302M: The Age of Mammals
 GEO 303: Introduction to Geology
 GEO 341: Mineral Resources/Society/Envir
 GEO 347D: Global Warming
 GEO 347G: Climate System Modeling
 GEO 371T: Decision Pathways
 GEO 476M: Chemical Hydrogeology
 M E 379M: Energy, Technology, & Policy
 MNS 307: Introduction to Oceanography
 MNS 308: Humans and a Changing Ocean
 MNS 320: Marine Ecology
 MNS 352C: Estuarine Ecology
 MNS 352D: Marine Botany
 MNS 354Q: Marine Environmental Science
 (Admittance into Semester at Sea required)

Natural Science and Engineering (Continued)

MNS 367K: Human Explor/Exploitation of Sea
 PBH 338: Environmental Health
 PGE 379: E4: Earth, Envrnmnt, Enrgy, & Economics

Social Science

ANT 324L: Archaeology of Climate Change
 ECO 321: Public Economics
 ECO 359M: Envir & Natural Resource Economics
 GOV 365N: European Environmental Politics
 GRG 301C: The Natural Environment
 GRG 301K: Weather and Climate
 GRG 304E: Envir Sci: Changing World
 GRG 306C: Conservation
 GRG 319: Geography of Latin America
 GRG 331K: Nature, Society, and Adaptation
 GRG 333K: Climate Change
 GRG 334C: Environmental Hazards
 GRG 339K: Envir, Develop & Food Prod
 GRG 344K: Global Food, Farming & Hunger
 GRG 356: Children's Environmental Health
 GRG 356T: Envir Chng/Mgmt of Large River
 GRG 360G: Envir Geographic Info Systems
 NTR 331: Interntl Nutrition: Social/Envir Policies
 SOC 321K: Building the Sustainable City
 SOC 321V: Environmental Sociology

Humanities and Public Affairs

E 360S: Global Environmental Lit & Film
 E 360S: Sustainability & Representatn
 HIS 346V: 20th-Cen Rural Latin America
 HIS 350L: Global Environmental History
 HIS 350R: Envir History of North America
 P A 188S: UT Energy Symposium
 (Instructor Permission Required)
 PHL 325C: Environmental Ethics
 RHE 309K: Rhetoric of Sustainability

Business, Communication, and Education

ADV 378: Communicating Sustainability
 BGS 370: Energy Technology and Policy
 HED 370K: Environmental Health
 J 346T: Reporting on the Environment

Architecture and Fine Arts

ARC 334L: Environmental Controls II
 ARC 350R: Energy Modeling & Design Proc
 ARC 350R: Environmental Readings
 ARC 350R: Light and Sustainable Design
 ARC 350R: Regenerative Architecture
 CRP 383: Resource Management & Recycling
 (Instructor Permission Required)

International

ARC 350R: Smart, Green and Just-ENG
 BIO 337: Rainforest Conservation-CRC
 GRG 323K: South Amer: Nat/Socty/Sust-ECU
 GRG 356T: Clim Chg/Vegtn: Kalahari-BWA
 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 your eligibility for enrolling in specific courses.
- **CROSS-LISTINGS:** Note that 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 or your BDP advisor for cross-listing information.
- **GRADES AND GPA REQUIREMENTS:** In courses taken for a letter grade, 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 UGS 303) that include significant content related to the 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 course content relates to your BDP topic. Please consult your BDP advisor if you would like to petition for a course to count toward your BDP.