The University of Texas at Austin
Bridging Disciplines Programs
School of Undergraduate Studies

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 (Geological Sciences), Megan Raby (History), Stacey Sowards (Communcation Studies), 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

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

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. **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 Biology
 BIO 301L: Molecules To Organisms
 BIO 301M: Ecology, Evolution, & Society
 BIO 311C: Introductory Biology I
 BIO 311D: Introductory Biology II
 BIO 337: Renewable Rsrcs: Envir/Future
 BIO 351: Economic Botany
 BIO 373: Ecology
 BIO 375: Conservation Biology
 C E 341: Intro To Environmental Engr
 C E 342: Water & Wastewtr Treatmt Engr
 C E 370L: Climate Change Mitigation
 CE 377K: Sustainable building Design
 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 309S: 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/Socty/Envir
 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

Natural Science and Engineering (Continued)
 MNS 353: Marine Community Ecology
 MNS 353: Microplstcs in Coastl Envir
 MNS 354Q: Marine Environmental Science- Port Aransas
 MNS 367K: Human Explor/Exploitatn of Sea
 NSC 325: Inventors Program Practicum (When Topic is Appropriate)
 PBH 338: Environmental Health
 PGE 301: Engineering, Energy, The Envir
 TXA 365: Sustainable Fashion Textiles
 TXA 365: Sustainable Materials Textiles
 TXA 365: Sustainable Txtls Biomateri

Social Science
ANT 324G: Environmental Anthropology
ANT 324L: Archaeology Of Climate Change
ANT 324L: Political Ecology
ANT 324L: Sensing: Elemental Media
ANT 325C: Cultures Of Sustainability
ANT 325R: Cultures And Ecologies
ECO 321: Public Economics
ECO 359M: Envir & Natural Resource Economics
GOV 355M: Environmental Politics
GOV 355M: The Polotics of Protecting the Great Barrier Reef
GOV 365V: European Environmntl 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 344G: Environmental Law
GRG 344K: Global Food, Farming, & Hunger
GRG 356: Water Res: Lat Amer/Caribbean
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
H S 340: Climate Change & Health
NTR 331: Intl Ntr: Socl/Envir Policies

Social Science (Continued)
SOC 307Q: Envrnmntl Inequality Health
SOC 309C: Creating Sustainable Socty
SOC 323S: Building The Sustainable City
SUS 101: Intro to Sustainability Studies
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
CRP 383: Resource Mngmt & Recycling: Toward Zero-Waste & Beyond (Inst Permission Required)
DES 322: When Topic Is Appropriate
E 343G: Global Environmental Literature And Film
E 343S: Sustainablty & Representatn
E 345F: Matters Of Taste: Lit, Culture, Environment
E 376M: Multi-Ethnic Lit Envirnmnt
HIS 346V: 20th-Cen Rural Latin America
HIS 350L: Global Environmental History
HIS 350L: Radical Hope & Global Enviro
HIS 350L: 95-Radical Hope Glbl Env History
HIS 350R: Envir History Of North America
LAH 350: Environmental Justice
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
ADV 324: Environmental Communication
BGS 370: Energy Technology And Policy

CMS 362E: Environmental Communication

Architecture and Fine Arts
ARC 327G: Regenerative Architecture
ARC 327R: Light And Sustainable Design
ARC 327R: Sustainability: Why This Way
ARC 327R: 17-Solar Geom Eneergy Flow Bldg
ARC 327R: 27-Sustainbl Architectrl Design
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/Socty/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.