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

- **Children & Society**
  - Human Rights & Social Justice
- **Conflict Resolution & Peace Studies**
  - Innovation, Creativity & Entrepreneurship
- **Design Strategies**
  - Museum Studies
- **Digital Arts & Media**
  - Patients, Practitioners & Cultures of Care
- **Environment & Sustainability**
  - Public Policy
- **Ethics & Leadership in Business**
  - Smart Cities
- **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, go to www.ugs.utexas.edu/bdp or email us at bdp@austin.utexas.edu. Follow us on Instagram: @ut_bdp
**Required Technology Course**

All students in the Smart Cities BDP must, in the process of completing their certificate requirements, take at least one course designated as including a substantial focus on smart cities-relevant technologies (-T).

**II. Skills & Methods Foundation Courses**

AFR 315C: Intro to East Austin Ethnography  
ARC 328R: Geo Info Systems Planning  
ARC 328R: GIS Visual Communication - T  
ARC 328R: GIS Urban Planning  
ARC 328R: Urban GIS - T  
C S 303E: Elements of Comp & Progmg  
*CRP 386: 5-Urban Geographic Info Sys-T  
*CRP 386: 2-Applied Methods-T  
*CRP 386: 6-Intro Visual Comm and GIS-T  
EDP 371: Introduction to Statistics  
GRG 310C: Spatial Data and Analysis-T  
GRG 305E: Geoprocessing  
GRG 460G: Envir Geog Info Systems-T  
ITD 301D: Intro to Design Thinking  
*P A 388L: Mobilizing the Community & Engaging Volunteers  
RHE 314: Cmpt Programing Humanities  
RHE 330C: When Topic is Appropriate  
SDS 301: Elementary Statistical Methods  
SDS 306: Statistics in Market Analysis  
SDS 322: Introduction to Scientific Programming  
SDS 335: Science and Technical Computing - T  
SDS 374E: Visualization & Data Analysis for Scientists & Engineers - T  
SOC 317M: Intro to Social Research

**Strand Courses (6-9 Credit Hours)**

Complete 6-9 credit hours of strand courses drawn from the list below. In order to create an interdisciplinary experience, you must choose courses from a variety of disciplines. **Note that only one of your strand or skills & methods courses may come from your major department(s), or from courses cross-listed with your major department(s).**

**School of Architecture (Continued)**

*CRP 384: 4-Land Use and Transport Plan  
*CRP 384: Planning for Megaregions  
*CRP 384: 6-Metro Trans Studies With GIS  
*CRP 384: Transportation Equity Anlys  
*CRP 386: Smart Cities-T  

**School of Business**

MAN 337: Tech Transfer/Entrepreneurship  
MIS 373: 17-Pred Analytic & Data Mining-T  

**College of Communication**

ADV 323: Public Comm of SciTech  
ADV 324: Communicating Sustainability  
CMS 332D: Digital Ethics  
CMS 350C: Crowds, Clouds and Commnity  
J 308D: Data, Privacy, And You  
J 355F: Living In Information Age  

**School of Engineering**

ARE 371: Energy Simulatn in Bldg Design-T  
C E 321: Transportation Systems  
C E 367T: Traffic Engineering  
M E 360: Vehicle Sys Dynams & Controls-T  
M E 363M: Energy, Technology & Policy  

**College of Fine Arts**

DES 322: Design & the Social Environment  

**School of Information**

I 301: Intro To Informatics  
I 320: Information In Cyberspace  
I 320: Blockchain Web3 Intrnt Cmprtr

**College of Liberal Arts (Continued)**

RHE 330C: Mobile Environments – T  
RHE 330C: Rhetoric and Data Visualization  
RHE 330C: When Topic Is Appropriate  
SOC 307Q: Envrnmntl Inequality/Health  
SOC 323S: Building the Sustainable City  
URB 301: Introduction to Urban Studies  
URB 352: The Digital City

**College of Natural Sciences**

C S 303E: Elements of Computers & Programming  
C S 363D: Introduction to Data Mining - T  
C S 378: Behavioral Ethics: Digital Age

**School of Public Affairs**

*P A 383C: Policymaking in Cities  
*P A 388K: Smart Cities – T  
*P A 388L: Leadership as Catalyst for Community Change  
P A 393L: Urban Economics & Policy  
*Graduate-level course. Instructor permission is required

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**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 Smart Cities 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.