

Urban and Regional Planning Concentration

Bachelor of Science Degree with a major in Geography

Effective Fall 2016

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Major Faculty: Prof. Mark Carter, Dr. Ron Hagelman, Dr. Colleen Hiner, Dr. Eric Sarmiento, Dr. Russell Weaver

For all faculty office locations, phone numbers, e-mail addresses, and office hours, as well as information about Geography Department people, programs, courses and activities, check the Texas State Geography Web Site at www.geo.txstate.edu and bulletin boards on ELA 1st and 3rd floors.

Major Concentration Description: Planning is a diverse profession, which draws upon fields of knowledge and technical skills closely related to geography. Urban and Regional Planning provides the means to evaluate and facilitate programs that benefit our neighborhoods, communities, cities, and regions. Population growth, economic development, transportation, education, public services, and the environment are a few of the essential factors evaluated by planners. Many of our graduates are employed as planners in Texas, as well as within other states and countries. Others have continued in graduate studies at Texas State or in other programs at the University of Texas or Texas A&M, as well as universities outside Texas. Check <http://www.geo.txstate.edu> for more information.

Degree/Major Requirements

1. Students majoring in Urban and Regional Planning complete the Bachelor of Science (B.S.) degree.
2. The B.S. degree requires a minimum of 36 semester hours of Geography
3. This degree requires at least a 2.5 GPA for geography courses attempted at Texas State University and at least a 2.25 GPA for all courses taken at Texas State University.
4. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. The degree requires a minor area of study with a minimum of 18 semester hours.
6. Texas State requires a minimum of 120 semester hours of coursework to graduate including: a) General Education Core requirements; b) major requirements; c) minor requirements; and d) Additional elective courses selected from disciplines other than major or minor.
7. At least 36 semester hours must be advanced (3000 – 4000) level courses.
8. At least 9 semester hours must be writing intensive (WI).

Minor Requirements: Minor may be any approved Texas State minor. Students interested in entering the professional planning field are strongly advised however, to consider a minor in either Public Administration through the Department of Political Science, a minor in Business Administration, or a minor in Construction Technology through the Department of Technology. A Public Administration minor will assist the planning student in understanding the workings of the municipal government - where most land use planning decisions occur. A minor in Business Administration will help prepare students for management positions in the planning process. Courses from the Construction Technology minor include construction systems, site organization, building project estimating and architectural drafting - all important for planning and land-development careers. Other minors may be appropriate depending on career goals. Plan to discuss choice of minor as well as selection of elective courses with your advisor.

Optional Certificates: Certificates are designed to enhance your employability and offer you a firm foundation in a particular discipline that is complementary to your major field of study. The courses that you complete for a certificate may count toward your major or minor depending on your field of study. If you are interested in pursuing a certificate, please see Stella LoPachin in ELA room 130.

GIS - Geographic Information Science - 20 hours
Environmental Interpretation - 16 hours

Location Analysis - 16 to 18 hours
Water Resources Policy - 16 to 17 hours

Urban and Regional Planning Course Checklist

Bachelor of Science: 36 Semester Hours Minimum

STUDENTS MUST MAKE A GRADE OF "C" OR BETTER IN ALL GEOGRAPHY COURSES THAT ARE TO BE COUNTED FOR CREDIT TOWARD THEIR MAJOR.

REQUIRED of all Geography majors: (14 hours)

- 1309 Introduction to Cultural Geography **or** 1310 World Geography
- 2410 Introduction to Physical Geography (Prereq: MATH 1315 or above [excluding MATH 1316] with a grade of "C" or higher.)
- 2426 Fundamentals of GIS (Prerequisite: MATH 1315 or above [excluding MATH 1316] with a grade of "C" or higher.)
- 3301 Research Methods in Geography (Prerequisite: MATH 1315 or above [excluding MATH 1316] with a grade of "C" or higher.)

CORE: (12 hours)

- 3310 Urban Geography
- 3320 Community and Regional Planning **(WI)**
- 4321 Cities and Urban Design (Prerequisite: GEO 3310 with a grade of "C" or higher, Junior or Senior standing.)
- 4338 Planning Practicum (Prerequisite: GEO 3320 with a grade of "C" or higher, Junior & Senior standing.)

Additional Requirement: 3 hours

- ENG 3303 Technical Writing. *Additional 3 Hours **DOES NOT** count toward 36 major hours.*

TECHNIQUES: (4 hours)

At least one additional techniques course. More hours are recommended.

- 3411 Maps and Mapmaking (Prerequisite: GEO 2426 with a grade of "C" or higher.)
- 3416 Principles of Remote Sensing (Prerequisite: GEO 2410 with a grade of "C" or higher.)
- 3426 Advanced GIS (Prereq: GEO 2426 and GEO 3301 with a grade of "C" or higher.)
- 4380 Internship in Geography
- 4430 Field Methods **(WI)** (Prerequisites: GEO 2410 and GEO 3301 with a grade of "C" or higher.)

ELECTIVES: Select from the following courses to complete 36 hours requirements

- 3303 Economic Geography
- 3313 Natural Resource Use and Management (Prereq: One course from GEO 1305, 1309, 1310, 2310, or 2410 with a grade of "C" or higher.)
- 3321 Energy Resource Management **(WI)** (Prerequisite: MATH 1315 or above [excluding MATH 1316] with a grade of "C" or higher.)
- 3323 Location Analysis
- 3340 Political Geography
- 3349 Population Geography
- 3353 American Ethnic Geography
- 3426 Advanced GIS (Prerequisite: GEO 2426 and MATH 1315 or above [excluding MATH 1316] with a grade of "C" or higher.) **(may only count if not taken as technique).**
- 3434 Water Resources (Prerequisite: GEO 2410 or CHEM 1141 & 1341 with a grade of "C" or higher.)
- 4310 Regional Field Studies **(WI)** (check with advisor)
- 4313 Environmental Management **(WI)** (Prerequisite: GEO 2410 with a grade of "C" or higher, Senior standing.)
- 4314 River Basin Management **(WI) Spring Only.** (Prerequisite: GEO 3434 or GEO 4325 with a grade of "C" or higher.)
- 4323 Conservation Leadership (Prerequisite: Junior or Senior standing.)
- 4326 Parks & Protected Places (Prerequisite: Junior or Senior standing.)
- 4336 Transportation Systems
- 4339 Environmental Hazards and Land Management (Prerequisite: GEO 2410 with a grade of "C" or higher.)
- 4341 Water policy – **Fall Only** (Prerequisite GEO 3434 with a grade of "C" or higher.)
- 4350 Solid Waste Planning and Management (Prerequisite: GEO 2410 with a grade of "C" or higher.)
- 4380 Internship in Geography
- 4430 Field Methods **(WI)** (Prereq: GEO 2410 and GEO 3301 with a grade of "C" or higher.)
- A maximum of 3 cr. hr. from GEO 1305, 1309, 1310, 2310 or any GEO 3000-4000 level courses
- Regional Geography Electives **(One course may be selected as an approved elective):** GEO 3307 Europe, GEO 3308 Latin America, GEO 3309 US & Canada **(WI)**, GEO 3328 N. Africa & Middle East, GEO 3329 Texas, GEO 3332 S & SE Asia **(WI)**, GEO 3333 China and Japan **(WI)**, GEO 4306 Southwest US, GEO 4328 Russian Realm **(WI)**.