**GIS RESOURCES @ TUFTS**

**TUFTS DATA LAB**
The Data Lab is a computing lab designed to foster collaboration and innovation around GIS, data analysis, visualization, & design. The Data Lab offers support for:

- GIS & Remote Sensing
- Field Data Collection & GPS
- Web Mapping Applications
- Cartography & Design
- Data Acquisition & Management
- Drones & Virtual Reality (VR)
- Statistical Analysis & Data Visualization
- Digital Humanities & Text Analysis

**WORKSHOPS**
Enroll in complimentary geospatial workshops including but not limited to:

- ArcGIS Pro: The New & Improved ArcMap
- StoryMaps: Not your Average Presentation
- Spatial Analysis using QGIS
- Field Data Collection with Survey123
- Working with Messy Data
- Data Visualization & Tableau
- Cartography in R
- Programming in Python

**GEOData.TUFTS.EDU**
Tufts Data Repository allows you to search, discover, preview, interact, and download geospatial data from university repositories. This is your first stop for finding and downloading GIS data!

**COME EXPLORE THE WORLD OF GIS**

**DEPARTMENT OF URBAN & ENVIRONMENTAL POLICY PLANNING**

**SCHOOL OF ARTS & SCIENCES**

97 Talbot Avenue
Tufts University
Medford, MA 02155

Tel: 617.627.3394
http://as.tufts.edu/uep/
http://gis.tufts.edu
CERTIFICATE REQUIREMENTS

The Department of Urban and Environmental Policy Planning (UEP) offers a multidisciplinary certificate in Geographic Information Systems (GIS) for matriculated graduate students.

The certificate is currently open to graduate students in all disciplines throughout the School of Arts and Sciences at Tufts University.

In order to qualify for the GIS Certificate, A&S graduate students must complete four courses totaling 12 Carnegie hours. By completing the required coursework, graduate students will receive a GIS Certificate in addition to their graduate degree.

Tufts Geospatial Curriculum

REQUIRED GIS COURSES

1. One of the following Intro to GIS courses (3 credits)
   - UEP Introduction to GIS
   - Geographic Information Systems (Engineering)
   - GIS for International Applications
   - Geological Applications of GIS
   - Fundamentals of GIS for Food, Agriculture, and Environmental Applications
   - GIS for Conservation Medicine
   - GIS for Public Health

2. Geospatial Modeling (3 credits)

   **Qualified A&S students may enter the certificate at any point within their Master’s or PhD program. Courses must be completed at Tufts University. The certificate can be completed in 3 - 4 semesters or less depending upon course availability.**

ELECTIVES & CAPSTONES

3. Two of the following elective options (6 credits)
   - Intro to Remote Sensing
   - Spatial Statistics
   - One statistical or quantitative methods course
   - Additional courses with a core geospatial component (approval required)
   - Thesis/Capstone with core geospatial methods component (approval required)

More Information

For more information regarding approval of particular coursework, GIS projects, or other program specific inquiries, please email the UEP Department at uep@tufts.edu.