

URBAN ANALYTICS

URP 6931 Topical Seminar
Total Credits

15

About this Program

College: Design, Construction and Planning

Credits:15

Subplan Code: DCP_GCT06

SLO Dashboard

Certificates must comply with the Graduate Certificate Policy

Required Courses

Required Courses

Option A

Code	Title	Credits
Required Core Courses		9
URP 6295 Urban Data Structure Basics		
URP 6223	Introduction to Urban Analytics	
URP 6224	Intermediate Urban Analytics	
Urban and Regional Planning Theory and Methods Courses		3
URP 6270	Introduction to Planning Information Systems	
URP 6271	Automation for Geospatial Modeling and Analysis	
URP 6272	Urban Spatial Analysis	
URP 6275	Intermediate Planning Information Systems	
URP 6276	Internet Geographic Information Systems	
URP 6821	Transportation and Land-Use Modeling	
GEO 6166	Advanced Quantitative Methods for Spatial Analysis	
URP 6931	Topical Seminar	
Data and Computer Science Courses		3
ARC 6922	Machine Learning for Architects	
COT 5615	Mathematics for Intelligent Systems	
CAP 6610	Machine Learning	
CAP 6615	Neural Networks for Computing	
EEE 6512	Image Processing and Computer Vision	
EEL 5840	Fundamentals of Machine Learning	
EEL 6814	Neural Networks and Deep Learning	
EEL 6825	Pattern Recognition and Intelligent Systems	
Total Credits		15

Option B

Code	Title	Credits
Required Core Courses		6
URP 6224	Intermediate Urban Analytics	
URP 6007	Survey of Urban and Regional Planning	
Urban and Regional Planning Theory and Methods Courses		9
URP 6270	Introduction to Planning Information Systems	
URP 6271	Automation for Geospatial Modeling and Analysis	
URP 6272	Urban Spatial Analysis	
URP 6275	Intermediate Planning Information Systems	
URP 6276	Internet Geographic Information Systems	
URP 6821	Transportation and Land-Use Modeling	