

# CRIME ANALYSIS UNDERGRADUATE CERTIFICATE

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This certificate provides students with a theoretical and practical understanding of crime and technical crime analysis skills. Students will gain an overview of the criminal justice field, understanding of the spatial contexts of crime, and the geographic information systems (GIS) technical skills needed to analyze and solve crime problems. Students must complete five courses: three required courses and two elective courses, one in criminology and one in geography.

## Required Courses

Course	Title	Quarter Hours
CRIM 101	INTRODUCTION TO THE CRIMINAL LEGAL SYSTEM	4
GEO 241	GEOGRAPHIC INFORMATION SYSTEMS I: DIGITAL MAPPING	4
CRIM/GEO 349	CRIME MAPPING & ANALYSIS	4

Select one Criminology elective from the following:

Course	Title	Quarter Hours
CRIM 218	COMMUNITIES AND CRIME	4-4.5
CRIM 225	COMMUNITY NON-VIOLENCE	4-4.5
CRIM 228	CRIME PREVENTION	4-4.5
CRIM 398	INTERNSHIP <small>Crime analyst internship only.</small>	4

Select one Geography elective from the following:

Course	Title	Quarter Hours
GEO 342	GIS FOR SUSTAINABLE COMMUNITIES	
GEO 345	PROGRAMMING IN PYTHON FOR GIS	4-4.5
GEO 346	GIS ANALYSIS OF ENVIRONMENTAL AND PUBLIC HEALTH	4-4.5
GEO 347	WEB GIS AND SPATIAL DATA VISUALIZATION ON THE WEB	
GEO 348	SPATIAL DATA SCIENCE	