



Universidad Politécnica de Puerto Rico
Graduate School
Master Program in Geospatial Science and Technology



M.G.S.T.

Geospatial Science and Technology

Core Courses: 12 credit-hours
Advanced Courses: 9 credit-hours
Geospatial Applications Courses: 9 credit-hours
Research Project Courses: 6 credit-hours
Total: 36 credit-hours

Core Courses

12 credits-hours

GEOM 6630 – Geospatial Modeling and Analysis
GEOM 6632 – Spatial Database Management Systems
GEOM 6634 – Cartography, Map Design and Geovisualization
GEOM 6710 – Image Acquisition, Analysis and Processing

Advanced Geospatial Courses

9 credits-hours

GEOM 6637 – Photogrammetry
GEOM 6638 – Geospatial Programming Fundamentals
GEOM 6639 – Geospatial Technology Project Management

Geospatial Application Courses*

Must select 9 credits-hours

GEOM 6644 – Web Mapping Applications
GEOM 6646 – Environmental Assessment and Geospatial Technology
GEOM 6648 – Business Geography
GEOM 6650 – Surface Water Hydrology for GIS
GEOM 6652 – GIS for Transportation Engineering

* The student may substitute up to two Application courses from other graduate programs from which he/she has the pre-requisites.

Research Project Courses

(6 credits)

GMP 6510 – Research Methodology
GEOM 6690 – Master Research Project
GEOM 6691 – Master Research Project Extension

Contact Information:
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