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

<table>
<thead>
<tr>
<th>M.G.S.T. Geospatial Science and Technology</th>
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<tbody>
<tr>
<td>Core Courses: 12 credit-hours</td>
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<tr>
<td>Advanced Courses: 9 credit-hours</td>
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<tr>
<td>Geospatial Applications Courses: 9 credit-hours</td>
</tr>
<tr>
<td>Research Project Courses: 6 credit-hours</td>
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<tr>
<td>Total: 36 credit-hours</td>
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</tbody>
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### 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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Rev. FA-17