

Accelerated Bachelor's to Master's Degree:



Dual Credit Option for High Performing Students in the Earth, Environmental, and Geospatial Sciences Department

Undergraduate students majoring in **Environmental Science, Earth Science, or Geography** in the EEGS Dept. can earn up to 12 graduate-level credits whilst still earning their bachelor's degree, and then ultimately apply those credits to the MS-GISc Program. This program is designed for exceptional Lehman College students who want to earn a Bachelor's and Master's degree in five years of full-time study (or the part-time student equivalent) in the EEGS disciplines. Students in the program receive a BS in Environmental Science or a BA in Earth Science or Geography, and a Master's of Science in Geographic Information Science (MS-GISc) at the end of the program. The requirements for completion of the combined Bachelor's/Master's degree are identical to those for completion of two separate degrees. However, because 12 credits of coursework taken for the bachelor's degree can be at the graduate level (500- and 600-level courses), these can also count towards the graduate degree, therefore students are able to complete the course requirements for the Bachelor's degree in four years and the course requirements for the combined Bachelor's/Master's degree in five years. By completing the Bachelor's requirements during the first four years, students are assured of the bachelor's degree if, for any reason, they do not complete the fifth year for the Master's.

Students pursuing the BS in Environmental Science or a BA in Earth Science or Geography, who have completed at least one GISc course at the undergraduate level and received a B+ or better, with an overall GPA of 3.0, may be eligible, with EEGS Dept. approval, for this program to take up to 12 elective credits of their BS/BA degree in graduate-level coursework in the Master of Science in Geographic Information Science (MS-GISc) program.

Students are encouraged to declare their interest in the program as soon as possible after completing 60 undergraduate credits. Early in the junior year, or upon completing 60 undergraduate credits, students should contact Prof. Juliana Maantay, Director of the MS-GISc Program in the EEGS Dept. Juliana.maantay@lehman.cuny.edu.

Note that students graduating from Lehman with a BA or BS degree in EEGS Dept. majors who have taken courses at the graduate level must still formally apply to the MS-GISc program and be accepted before they can continue taking graduate level courses towards the master's degree. GRE scores are not required. The minimum overall GPA required is 3.0 ("B") for admission to graduate programs at Lehman. Please see http://www.lehman.cuny.edu/academics/eggs/MS_GISc.php for further information on the MS-GISc degree.

Graduate-level courses applicable for the Dual Credit Option include: Basic Mapping Science; Principles of GISc; Urban Geography and GISc; Population Geography and GISc; Natural Hazards and Risk Analysis; Spatial Analysis of Urban Health; Data Acquisition and Integration in GISc; Introduction to Remote Sensing; Raster Analysis; Programming in GISc; Geovisualization and Analytical Cartography; Spatial Database Management; Emerging Methods and Issues in GISc; Methods Seminar in GISc; Special Projects in GISc; Environmental Modeling and Spatial Analysis; Geostatistics and Spatial Analytical Concepts; Water Resources and Hydrology and GISc Analysis.

