

EARTH AND ENVIRONMENTAL SCIENCE-GEOGRAPHIC INFORMATION SCIENCE, MINOR

The Geographic Information Science, Minor program will prepare students in the highly demanding field of spatial literacy utilized in many disciplines and industries, including but not limited to government, business, utilities and communication, natural resources, defense, education, health and human services. The minor will offer a core curriculum to train the next generation of students as future scientists and policymakers who apply the basic principles of the spatial literacy in complex systems. NJCU's new GIS Curricula will open several high-tech pathways to career improvement. NJCU will offer GIS education to diverse learners who need high-tech skills for success.

Code	Title	Credits
Select 12 credits from the following list. At least 3 credits must be from 300+ level:		
EESC 121	Mapping the City	3
EESC 202	Remote Sensing for a Changing World	3
EESC 206	Digital Earth: Fundamentals of Geospatial Science	3
EESC 252	GIS I: Contemporary Applications of GIS	3
EESC 325	GIS for the Urban Community	3
EESC 350	GIS II: Contemp Analysis w/GIS	3
EESC 455	GIS III: Modeling with GIS	3
EESC 451	Guided Study	3
Select 6 credits from the following list:		
CS 120	Computers and Information Technology	3
CS 209	Data Structures	3
CS 252	Programming for All in Python and Computer Science Principles	3
CS 302	Programming Languages	3
CS 306	Data Base Design	3
CS 365	Advanced Java Programming	3
CS 409	Introduction to Data Science	3
ECON 203	Business Statistics	3
or PSYC 230	Statistics for Social Sciences	3