

# CERTIFICATE OF ACHIEVEMENT



## GEOGRAPHIC INFORMATION SYSTEMS

This Certificate of Achievement in Geographic Information Systems (GIS) targets students interested in becoming a GIS Technician. A GIS Technician utilizes standard GIS tools and utilities to enter and correct data in GIS databases such as locating addresses, georeferencing scanned maps, digitizing and collecting and processing data from the field. Most duties assigned to GIS Technicians are routine with a heavy amount of database entry and management with eventual generation of maps from data. A GIS Technician performs no data interpretation after data has been stored unless under the guidance of the analyst. Many students enrolled in GIS at Rio Hondo College have degrees in a variety of disciplines. After completing the GIS courses, these students could be labeled as the GIS Analyst within their area of discipline (Crime Analyst, Environmental Planner, etc.)

To acquire the **Geographic Information Systems Certificate of Achievement**, students must complete the following courses:

Required Courses		Units	N	IP	C
<b>GIS 120</b>	Introduction to Geographic Information Systems and Spatial Analysis	<b>4</b>			
<b>GIS 220</b>	*GIS Applications	<b>4</b>			
<b>GIS 221</b>	*Cartography Design and Geographic Information Systems	<b>4</b>			
<b>ENGT 150</b>	AutoCAD for Basic CADD Applications	<b>4</b>			
OR <b>ENGT 170</b>	MicroStation for Basic CADD Applications				
<b>Select one of the following focus areas below:</b>					
<b>GIS 230</b>	*Geographic Information Systems in Environmental Technology	<b>3</b>			
<b>CIV 142</b>	Introduction to Surveying and GPS	<b>4</b>			
<b>GIS 281</b>	Crime Mapping and Analysis	<b>4</b>			
<b>Total units needed for Certificate of Achievement</b>		<b>19-20</b>			
Units Completed					
*Prerequisite/Corequisite					