

DIVISION OF CAREER & WORKFORCE EDUCATION

APPLIED GEOGRAPHIC INFORMATION SYSTEMS

ASSOCIATE OF SCIENCE DEGREE

The courses listed will lead to the Associate of Science in Applied Geographic Information Systems. The degree prepares students for either technician or analyst careers using GIS in the fields of civil engineering, biology, public safety, planning and landscape architecture, public health, social sciences, and public administration. Completion of this program is designed to prepare students to transfer into a bachelor's degree program.

To acquire the **Associate of Science Degree in Applied Geographic Information Systems**, students must complete the required major courses below with a grade of "C" or better or of "P" if the course was taken on a Pass/No Pass basis, along with either of the following: Rio Hondo College General Education (RHC GE) or California General Education Transfer Curriculum (Cal-GETC). California State University General Education - Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC) may be used in some cases; please see a counselor for details.

Required Courses		Units	N	IP	C
GIS 120	Introduction to Geographic Information Systems and Spatial Analysis	4			
GIS 220	*GIS Applications	4			
GIS 221	*Cartography Design and Geographic Information Systems	4			
GIS 280	*Geospatial Programming and Web Services	4			
GIS 290	Work Experience Education/Internship for GIS-Related Fields	1-4			
Choose two courses from one of the following Specialization tracks:					
Civil Engineering Specialization Track					
ENGT 150	AutoCAD for Basic CADD Applications or ENGT 170 MicroStation for Basic CADD Applications	4			
GIS 130	*Field Data Applications for GIS	4			
CIV 142	Introduction to Land Surveying and GPS	4			
Environmental Specialization Track					
GIS 230	*Geographic Information Systems (GIS) in Environmental Technology	3			
GIS 130	*Field Data Applications for GIS	4			
Data Analyst Specialization Track					
GIS 281	Crime Mapping and Analysis	4			
PSY 190	*Statistics for the Behavioral Sciences	4			
Total major units needed for Associate of Science		24-28			
Units Completed					
*Prerequisite/Corequisite					