



16-week training designed to equip you with knowledge and skills in Geomatics

What is Geomatics?

Geomatics is the discipline of gathering, storing, processing, and delivering geographic information, or spatially referenced information. It consists of products, services and tools involved in the collection, integration and management of geographic data.

What is Geospatial Technology?

Geospatial technology refers to equipment used in visualization, measurement, and analysis of earth's features, typically involving such systems as GPS (global positioning systems), GIS (geographical information systems), and RS (remote sensing). Its use is well-known and widespread in the military and in homeland security, but its influence is pervasive everywhere, such as land use, flood plain mapping and environmental protection.

What will I learn?

- Introduction to AutoCAD (Computer Aided Drawing). Learn basic line functions, how to create blocks, external references, and how to utilize paper and model space layouts.
- Geomatics and Land Survey science: Terminology, field practices, equipment, hardware, and software for measuring, locating, and mapping geographic features on the face of the earth.
- Setup survey field equipment and notes for turning and measuring horizontal and vertical angles and distances from a known reference point; Survey data will be collected and analyzed.
- Principles and techniques of GIS and field data collection using GPS (Global Positioning System). Geodata entry, storage, analysis, and output using ArcGIS desktop software.
- Concepts and software used in Building Information Modeling (BIM).
- Preliminary and detail planning of service lines and facilities in multi-family and/or commercial buildings.

What Industries utilize this training?

Agriculture ~ Archeology ~ Architecture ~ Business ~ Education ~ Engineering ~ Geometrics & Land Surveys ~ Geography ~ Natural Sciences ~ Remote Sensing ~ Other employers include Federal, State, and local governmental agencies: highway departments, planning agencies, utility providers, Geological Survey, Land Management, Oceanic or Atmospheric organizations, or Forest Service.

BENEFITS:

- Accelerated Online & Hybrid Classes
- Earn College Credit & Credential
- Enhance work skills
- Tutoring
- Student Success Support

Estimated Cost: \$1,549

(\$114 per credit hour for residents of Hawaii, Books and Student Fees of less than 4 credits/semester \$33.50 or greater than 5 credits/semester \$67)
Tuition & Fees may vary and be subject to change. Estimated expenses listed are for the 2015-16 academic year.

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For More Information:
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