



2016 – 2017  
Career Technical Programs

Social Science Division  
541.463.5427

lanecc.edu

# Geographic Information Systems

Less than One-Year Certificate of Completion

**Program Coordinator** Lynn Songer, [songerl@lanecc.edu](mailto:songerl@lanecc.edu),  
541.463.5493

**Purpose** The GIS less-than-one-year certificate is to provide students with the technical skills and geospatial content to employ geospatial information system (GIS) in support of their career and education goals in: science, business, resource management, public safety, and urban and regional planning. GIS 151, GIS 245 and GIS 246 transfer to many Oregon four-year colleges and support current graduates and working professionals as they update their technical skills. The core GIS classes are required or directed elective in several AAS degrees such as: Computer Information Systems (GIS 151, GIS 245, GIS 246) and Watershed Technician (GIS 151, GIS 245)

**Learning Outcomes** The student who successfully completes all Geographic Information Systems requirements will:

- collect and input data into a GIS system using: GPS, Digitizing, Geocoding.
- create, manage, and update spatial data.
- design and generate various cartographic products for planning or presentations.
- manage information in a GIS database.
- perform routine data analysis-buffer, query, union, intersect.

**Accreditation** Endorsed by the National GeoTech Center of Excellence at the "Jefferson Community and Technical College in Louisville Kentucky.

## Job Openings Projected through 2020

Lane County openings current number 4 annually

Statewide openings current number 46 annually

## Wages

Lane County average hourly- \$22.78 average annual- \$47,369

Oregon average hourly-\$23.26 average annual \$48,400

## Costs

Books .....	\$300
Program Specific Fees.....	\$105
Resident Tuition and General Student Fees.....	\$1,520

Total Estimated Cost \$1,925

Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

**Note** It is strongly recommended that students have a personal computer capable of running GIS and remote sensing software. Students who do not have access to a computer may be at a disadvantage.

## Courses required

	Credits
GIS 151 Digital Earth.....	4
GIS 245 GIS 1 .....	4
GIS 246 GIS 2 .....	4