



2018 - 2019
**Career Technical
 Programs**

**Social Science Division
 541.463.5427**

lanecc.edu

Geographic Information Science

Less than One Year Certificate of Completion

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Purpose The GIS less-than-one-year certificate is to provide students with the technical skills and geospatial content to employ geospatial information science (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 GIS classes are required or directed elective in several AAS degrees such as: Computer Aided Design, Environmental Science, Programming, Criminal Justice, General Science and Civil Engineering.

Learning Outcomes The student who successfully completes all Geographic Information Science 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 GEO Tech Center of Excellence.

Advising and Counseling Andi Graham Academic Advisor or Ben Fisher Academic Advisor at *socsci-llcprograms@lanecc.edu*

Job Openings Projected through 2020

Lane County openings current number 4 annually
 Statewide openings current number 48 annually
 Lane County average hourly- \$28.93 average annual- \$60,176
 Oregon average hourly-\$31.33 average annual - \$65,179

Costs The software is designed to run on a PC with Windows operating system. For a MAC you will need to add a dual boot with Windows.

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| Books | \$200 |
| Program Specific Fees..... | \$105 |
| Resident Tuition and General Student Fees..... | \$1,520 |
| Total Estimated Cost | \$1,825 |

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

Prerequisite

CIS 101 Computer Fundamentals
 MTH 060 Beginning Algebra or higher

Course Requirements

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|----------------------------|---|
| GIS 151 Digital Earth..... | 4 |
| GIS 245 GIS 1 | 4 |
| GIS 246 GIS 2 | 4 |