

Career Profile for Geospatial Technologies

General Program Description: The **Associate in Applied Science (AAS) in Geospatial Technologies** prepares students for entry-level positions within the field of Geographic Information Systems. The Geospatial Technologies program will also provide students with the educational foundation necessary for a four-year degree. A **Certificate of Completion (CCL)** is also available.

State and National Certification: All 50 States and all U.S. territories license surveyors. For licensure, most state licensing boards require that individuals pass a written examination given by the National Council of Examiners for Engineering and Surveying (NCEES).

Advancement options: With on-the-job experience and formal training in surveying, either in an institutional program or from a correspondence school, workers may advance to Senior Survey Technician, then to Party Chief. Depending on state licensing requirements, in some cases they may advance to Licensed Surveyor.

Projected Job Growth: Opportunities will be best for technicians who have formal training in Global Positioning System (GPS) and Geographic Information Systems (GIS). However, many people have the basic skills needed to qualify for these jobs. Thus, applicants for technician jobs may face competition. The use of advanced technologies, such as GPS, GIS, and remote sensing, will continue to increase both the accuracy and productivity of these technicians. This will limit job growth to some extent. However, job openings will continue to arise from the need to replace workers who leave this occupation.

Location	Pay Period	Bureau of Labor Statistics - 2006 Salaries*		
		Entry-level	Median	Experienced
United States	Hourly	\$9.62	\$15.55	\$25.63
	Yearly	\$20,000	\$32,300	\$53,300
Greater Phoenix	Hourly	\$11.48	\$14.05	\$27.57
	Yearly	\$23,900	\$36,500	\$57,300
Arizona	Hourly	\$11.83	\$17.48	\$27.41
	Yearly	\$24,600	\$36,400	\$57,000

For more career information for Geospatial Technologies, visit:

www.bls.gov/oco, www.maricopa.edu/workforce,
<http://www.acinet.org/>, or
www.mc.maricopa.edu/students/career/

For MCC program information, contact
Shereen Lerner – 480-461-7060
Cultural Science Department Chair

or visit <http://www.mc.maricopa.edu/dept2/geography/>

*Labor market information provided by AZ Dept of Economic Security in cooperation with the U.S. Dept of Labor, Bureau of Labor Statistics. Wages will vary depending on the employer, location, hours worked, experience, responsibility and other factors. Career and Re-Entry Services will collaborate with academic and occupational program departments to develop internship and career experience opportunities.

Sample Job Titles: Survey Technician, Mapping Technician

Types of Employers: Surveying and mapping firms, local, state, and federal government agencies

Local Employers who posted related jobs on the Maricopa Career Network: City of Phoenix, Town of Florence, Lockheed Martin, Woolpert

Professional Associations
ASPRS: Imaging and Geospatial Information Society
<http://www.asprs.org>

For current job openings, go to Maricopa Career Network
<http://mcmaricopa.jobing.com/>

Surveying Technicians Overview At-A-Glance

- Work with surveyors, engineers, computer programmers, and laborers
- Work with a variety of tools and instruments
- Often use Global Positioning System (GPS)
- Work both indoors and outdoors
- May work longer hours in the summer
- Usually train through one- to three-year programs

For additional information on Geographic Information Systems careers or to watch occupational videos, visit:

Arizona Career Information Systems (AzCIS)
www.azcis.intocareers.org
User name: mesacc; Password: 4azcis02

Career Voyages
www.careervoyages.gov

Internships are supervised practical training in a short-term or temporary position with an emphasis placed on instruction, training, mentoring, networking and gaining applied work experience. These positions may be paid or unpaid. Contact Career and Re-Entry Services for internship information: 480-461-7430.

Internship Completed: _____ Dates: _____ Location: _____

Service-Learning is a teaching and learning method that connects meaningful community service with academic learning through guided reflection. Contact the Center for Service- Learning for more information: 480-461-7393.

Service-Learning Completed: _____ Dates: _____ Location: _____

Transfer Options: Contact Transfer Services for more transfer information: 480-461-7452.

Career Assessments Completed:

Career Assessment / Results	Date Completed	Reviewed by

Career Readiness Workshops / Activities Completed:

Workshop Name / Activity	Date Completed	Follow Up Contact (s)
Resume Writing Workshop		
Resume completed and reviewed by:		
Participate in Mock Interview		
How To Prepare for a Career Fair		
Attend Career Fair / Job Expo Location:		
Joined Professional Association:		

MCC Career and Re-Entry Services
Providing Guidance for Career and Workplace Success

For more Career Profiles, visit

<http://www.mc.maricopa.edu/students/career/careerprofiles.html>

Meet with a Career Advisor in Bldg #36, Room SS5N - adjacent to the Kirk Student Center, 480-461-7430

