

# Career Profile for Biotechnology

**General Program Description:** The **Associate in Applied Science (AAS) in Biotechnology** prepares students for careers as technical assistants in federal, state, and local government laboratories, biomedical, pharmaceutical, and bioengineering laboratories, agriculture and horticulture, microbiology, environmental and academic laboratories, includes practical experience through an internship. The program provides students with a working knowledge of biotechnology by focusing on competency and technical expertise with state-of-the-art laboratory protocol and critical consideration of current topics in biotechnology. The **Certificate of Completion (CCL) in Biotechnology** is suited for individuals who seek exposure to the field of biotechnology.

**State and National Certification:** In Arizona, medical laboratory technicians are not required to be licensed or registered.

**Advancement Options:** Medical and Clinical Laboratory Technicians can become technologists if they get additional training and experience. They can also become sales representatives or product testers for lab equipment manufacturers.

**Projected Job Growth:** This occupation has a projected **41% growth rate over 10 years** (between 2003 and 2013) for the Greater Phoenix region. There are an average projected **176 job openings** each year, comprised of 106 new jobs and 70 positions vacated by individuals in the field (due to retirement, death, career changes, or other reasons).

Location	Pay Period	Bureau of Labor Statistics - 2005 Salaries*		
		Entry-level	Median	Experienced
United States	Hourly	\$10.50	\$15.79	\$24.16
	Yearly	\$21,800	\$32,800	\$50,300
Greater Phoenix	Hourly	<b>\$10.28</b>	<b>\$16.44</b>	<b>\$25.27</b>
	Yearly	<b>\$21,400</b>	<b>\$34,200</b>	<b>\$52,600</b>
Arizona	Hourly	\$10.08	\$17.32	\$26.71
	Yearly	\$21,000	\$36,000	\$55,600

For more career information on Biotechnology, visit:  
[www.bls.gov/oco](http://www.bls.gov/oco), [www.maricopa.edu/workforce](http://www.maricopa.edu/workforce),  
<http://www.acinet.org/>, or  
[www.mc.maricopa.edu/students/career/](http://www.mc.maricopa.edu/students/career/)

For MCC program information, contact  
**Sandra Minckley – 480-461-7115**  
**Life Science Department Chair**  
 or visit

<http://www.mc.maricopa.edu/dept2/biotechnology/>

\*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:** Medical or Clinical Lab Technician, Laboratory Processing Technician

**Types of Employers:** Federal, state, and local government laboratories, biomedical, pharmaceutical, and bioengineering laboratories, agriculture and horticulture, microbiology, environmental and academic laboratories

**Local Employers who posted related jobs on local job boards:** LabCorp, LabCorp of Tucson, Arizona Instrument, CBR Systems, Science Care, Shamrock Foods Company, SDC Materials

**Professional Associations**  
**American Society for Clinical  
 Laboratory Science**  
<http://www.ascls.org>  
**National Center for Biotechnology  
 Information**  
<http://www.ncbi.nlm.nih.gov/>

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

### Laboratory technicians Overview At-A-Glance:

- Run tests using body fluid, cell, or tissue samples
- May work nights, weekends, or holidays
- Have at least an associate degree
- May need a license
- Often wear safety gear, such as gloves

**For additional information on Laboratory Technicians careers or to watch occupational videos, visit:**

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

Career Voyages  
[www.careervoyages.gov](http://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:**

<b>Career Assessment / Results</b>	<b>Date Completed</b>	<b>Reviewed by</b>

**Career Readiness Workshops / Activities Completed:**

<b>Workshop Name / Activity</b>	<b>Date Completed</b>	<b>Follow Up Contact (s)</b>
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

