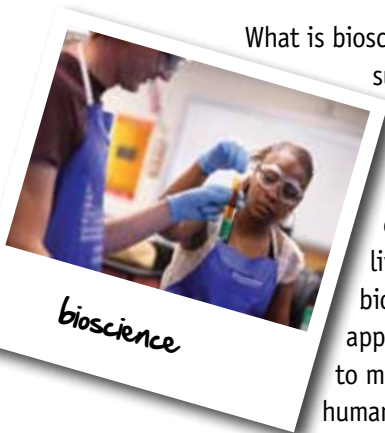


Bioscience

Industry Snapshot

What is bioscience, and why has it become such a familiar term? Probably the simplest definition is the combination of all life sciences (biology, genetics, ecology, etc.) that deal with living organisms. As a career, bioscience is the technological application of these life sciences to make products for the needs of humanity, such as environmental science engineers and technicians, biochemists, disease and medicine specialists, and other fields that relate to the combination of the life sciences. In the decades ahead, breakthroughs in our understanding of biology promise to advance human health, and many of the jobs related to these breakthroughs will be in what is known as “bioscience.” But you won’t necessarily need advanced degrees to work in the biosciences. For example, graduates of technical institutes or community colleges, or those who have completed college courses in chemistry, biology, mathematics, or engineering, will be needed in the industry. Jobs in bioscience are also growing fast. Greater Phoenix has made significant investments in the bioscience sector in recent years.



Essential Industry Skills

For anyone who plans to enter the job market in this field, a strong knowledge base in biology, chemistry, and math, along with trouble-shooting and repair skills are a must.

High school students should meet with an advisor/counselor to create an appropriate career action plan that may include high school classes in:

- Biology
- Chemistry
- Physics
- Math

Source: O*NET & Western Maricopa Tech Prep Consortium

| Occupation | Annual Entry-Level Wage Range* | Typical Training Required |
|---|--------------------------------|---------------------------|
| Biological Technicians | \$25,090 - \$35,710 | Associate’s Degree |
| Chemical Technicians | \$27,100 - \$37,910 | Associate’s Degree |
| Medical & Clinical Laboratory Technicians | \$27,030 - \$37,220 | Associate’s Degree |

*Source: U.S. Bureau of Labor Statistics, 2010

Bioscience Programs at the Maricopa Community Colleges

| Program | College/Skill Center | Program | College/Skill Center |
|---|---|--------------------------------|----------------------|
| Biomedical Research Technology | Chandler-Gilbert, GateWay South Mountain | Clinical Laboratory Sciences | Phoenix |
| Biotechnology | Mesa | Clinical Research Associate | GateWay |
| Biotechnology and Molecular Biosciences | Glendale | Clinical Research Coordinating | GateWay |

Source: <http://www.maricopa.edu/academic/ccta/curric/index.php>

Small class sizes allow for a more personalized learning environment.

