

# LABORATORY SCIENCE TECHNICIAN ASSISTANT



## One-Year Technical Diploma 31-506-4

This program prepares students to provide laboratory support to the food processing, medical, environmental, and agriculture industries. They will learn to conduct or assist in laboratory analysis of food, water, fuel, soil, bodily fluids, and other elements – laboratory equipment, performing tests and experiments, and documenting the results. Graduates will have a strong basis in scientific principles, quality methodology and documentation, and laboratory equipment and testing methodologies.

Upon successful completion of this technical diploma, students will be able to:

- Apply modern laboratory methodologies including problem solving and troubleshooting.
- Perform and report results of laboratory tests.
- Practice laboratory safety and regulatory compliance.
- Monitor and evaluate quality control in the laboratory.
- Model professional behavior, ethics, and appearance appropriate to the laboratory setting.
- Demonstrate quantitative reasoning skills and apply critical thinking skills to a variety of disciplines.

### Graduates Have Found Employment As

- Food Lab Quality Assurance Technician
- Food Lab Technician
- Medical Lab Assistant
- Quality Control Technician

View the entire course listing (<http://catalog.blackhawk.edu/courses/>).

### Semester 1

506-108	Laboratory Safety and Hazardous Materials	Credits 1
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513-110	Basic Laboratory Skills	1
196-158	Essentials of Quality: Quality Data Assessment	1
103-128	Introduction to Microsoft Office Suites	2
806-199	General, Organic and Biological Chemistry	4
801-136	English Composition 1	3
804-118	Intermediate Algebra with Applications	4
<b>Credits</b>		<b>16</b>
<b>Semester 2</b>		
506-102	Intermediate Laboratory Skills	3
506-105	Quality Concepts in Laboratories	3
506-109	Data Management for Laboratory Assistants	1
806-197	Microbiology	4
102-148	Introduction to Business and Management	3
196-157	Essentials of Quality: Quality Management Basics	1
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>31</b>

## General Education Courses Within Program

Code	Title	Credits
806-197	Microbiology	4
806-199	General, Organic and Biological Chemistry	4
801-136	English Composition 1	3
804-118	Intermediate Algebra with Applications	4