

LABORATORY TECHNICIAN ASSISTANT

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.

This Program is offered at the Monroe Campus.

Program Outcomes

- 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 | | Credits |
|------------|---|---------|
| 103-112 | Introduction to Microsoft Excel | 1 |
| 506-103 | Basic Laboratory Skills II | 2 |
| 506-108 | Laboratory Safety and Hazardous Materials | 1 |
| 513-110 | Basic Laboratory Skills | 1 |
| 801-195 | Written Communication | 3 |
| 804-107 | College Mathematics | 3 |
| 806-199 | General, Organic and Biological Chemistry | 4 |
| Credits | | 15 |
| Semester 2 | | |
| 506-102 | Intermediate Laboratory Skills | 3 |
| 506-105 | Quality Concepts in Laboratories | 3 |
| 506-109 | Data Management for Laboratory Assistants | 1 |
| 801-197 | Technical Reporting | 3 |
| 804-189 | Introductory Statistics | 3 |

| | | |
|---------------|--------------|----|
| 806-197 | Microbiology | 4 |
| Credits | | 17 |
| Total Credits | | 32 |

General Education Courses Within Program

| Code | Title | Credits |
|---------|---|---------|
| 801-195 | Written Communication | 3 |
| 801-197 | Technical Reporting | 3 |
| 804-107 | College Mathematics | 3 |
| 804-189 | Introductory Statistics | 3 |
| 806-197 | Microbiology | 4 |
| 806-199 | General, Organic and Biological Chemistry | 4 |

Associate Degrees and Technical Diplomas are part of a larger model of BTC's Career Pathways which link related academic programs in sequence. Each program within a career pathway offers direct job preparation and a path to the next level of academic programming.

To view the connected program model, visit the Laboratory Technician Assistant Career Path (<http://catalog.blackhawk.edu/academics/technical-diplomas/laboratory-technician-assistant/LabTechAsstCareerPath.pdf>) (PDF).