

# DEFIANCE COLLEGE

# Medical Laboratory Science

Bachelor of Science Degree with a major in Medical Laboratory Science

Want to work behind the scenes to improve people's health? Provide that all-important data doctors need as they work with patients?

Are you interested in medicine but do not want to go to medical school? Then Medical Laboratory Science may be right for you. Demand for Laboratory Technologists is growing rapidly providing you, as a graduate of the program, with great career potential.

At Defiance College, the medical laboratory science program turns students into laboratory technologists who can draw blood, match blood types, test body fluids, and run computers that perform medical tasks.

Get ready to meet the growing demand for laboratory technologists.



*“The strength of our department lies in our faculty who are dedicated teachers and easily accessible to students. By completing the Medical Laboratory Science program at DC you will learn how to conduct laboratory work in biology and chemistry, an essential skill needed in hospital laboratories, municipal health laboratories as well as in research laboratories and commercial companies making biological products.”*

Dr. Somnath Dutta  
Associate Professor of Chemistry

## After College — What's Next?

Defiance College graduates are very successful. Positions are available in hospital laboratories, doctors' offices, medical clinics, and private laboratories. Most positions are open in hospitals and medical clinics. Recent Defiance College graduates have gone on to advanced studies at Medical University of Ohio, among other schools. There are also recent graduates working at Defiance Regional Medical Center, Toledo Hospital, and Williams County Hospital.

## Medical Laboratory Science Affiliation

Defiance College is pleased to be affiliated in the region with such programs and hospitals as the Parkview Health System Laboratories Medical Technology Program in Fort Wayne, Indiana, and Mercy Labs in Toledo, Ohio.

Unique in its 3+1 program structure, medical laboratory science involves three years of classes in biology, chemistry and immunology followed by one full year of clinical experience in an accredited hospital or laboratory. Acceptance into the fourth year of clinical experience is competitive, and there is no guarantee of placement.

Throughout the program, professors and students work closely in preparation for careers in hospital laboratories, doctors' offices, medical clinics, and private laboratories, or advanced studies.

Acceptance by hospitals is competitive and cannot be guaranteed. The baccalaureate degree will be awarded upon successful completion of the hospital program, and the student will then be eligible to take the Medical Technology Registry Examination (MTRE).

This does not guarantee the student's admission into any program. All students must interview and compete with several students from other colleges and universities.

*“The Medical Laboratory Science major at Defiance College offers a unique blend of three years of exciting, but challenging coursework coupled with a 12-month internship to gain hands on experience in the field. The program has prepared me well to meet the demands of a wide variety of medical, research, and graduate laboratory positions.”*

Bryan Gall

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1-800-520-GO DC

[www.defiance.edu/pages/NS\\_majors\\_medical.html](http://www.defiance.edu/pages/NS_majors_medical.html)

# The Faculty

**Nathan Griggs, Ph.D.**  
Associate Professor of Biology  
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**Douglas D. Kane, Ph.D.**  
Assistant Professor of Biology  
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**Kenneth Adair, Ph.D.**  
Assistant Professor of Chemistry  
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**Somnath Dutta, Ph.D.**  
Associate Professor of Chemistry  
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Additionally, part-time instructors may teach specialized courses.



*"In the Medical Laboratory Science program, the faculty provides our students with the broad scientific skills they will need for careers in the medical field. Students will find that their educational goals are supported by an approachable faculty that is committed to their success."*

Dr. Kenneth Adair  
Assistant Professor of Chemistry

# The Courses

BI 120, 129	Principles of Biology I & II
BI 235, 236	Anatomy and Physiology I & II
BI 338	Histology
BI 358	Microbiology
BI 431	Molecular Biology <b>OR</b>
BI 480	Genetics
BI 462	Immunology
BI 481	Pathogenic Microbiology
CH 123, 124	General Chemistry I & II
CH 233, 234	Organic Chemistry I & II
NS 198	Natural Science Seminar
ML 491	Medical Laboratory Science Internship
MA 106	Pre-Calculus Mathematics
PY 230	Behavioral Statistics

## General Education Requirements

To broaden students' understanding of the world, 43 credits of general studies are required. These courses include communication, natural sciences, social sciences, mathematics, computer literacy, physical education, and humanities (religion, literature, history, and art).

## Electives

Electives are courses selected from either the major area or from the general education area to complete degree requirements.

## Come for a Visit!

A campus visit is the best way to find out how Defiance College defies the ordinary college experience. We'll arrange for you to meet with an admissions counselor, professors, coaches, students, and learn about scholarship and financial aid opportunities. You can sit in on a class, tour campus, and stay overnight if you wish. Call our Office of Admissions at 419-783-2359 or 1-800-520-GO DC to set up your appointment.



Students in the sciences take those concepts mastered in the classroom and apply them to the laboratory. It is this complementary approach to learning that makes DC science students succeed.

*Defiance College admits students regardless of race, color, creed, sex, national or ethnic origin, disability, or sexual orientation. 6/11*