

THE MVNU EXPERIENCE



CHOICES—You make them daily about every aspect of your life.

Right choices make you feel good about who you are and how you live your life. The choices you make define who you are and are becoming.

As you think about the choice of a college education, we want you to know that at Mount Vernon Nazarene University you have choices of relevant and challenging majors that will open the doors to experience discovery and growth. Travel. Serve. Learn.

In a real community of faith where professors give you personal attention and you know you're not a number; you're one of us.

We'll show you how you can afford it too. It's all a matter of choice. Make the right one.

CHOOSE IT. FEEL IT. LIVE IT.

MOUNT VERNON
NAZARENE UNIVERSITY
Life Changing



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**CHEMISTRY AND
PHYSICAL SCIENCE**

The MVNU Experience

MOUNT VERNON
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Welcome to the Natural and Social Sciences! I am excited about the programs we offer, and encourage you to explore this brochure.

MVNU will prepare you for many career opportunities that require an understanding of the natural and social world and the methods used to solve problems in our society. Whether your interests lie in teaching, laboratory work, clinical practice or going on to graduate or professional school, the natural and social sciences have something to offer you.

Our professors are highly qualified and strive to help each individual achieve his or her personal goals. Our warm and caring environment creates a community of believers preparing for service to God and others. Our alumni literally "span the globe" in their successful careers.

I invite you to consider coming for a visit, as you are making decisions about the direction your life will take.

*Dr. Robert T. Kasper,
Dean, School of Natural and Social Sciences*

CHEMISTRY PROGRAMS

Chemistry is the scientific study of matter and its properties. Since matter is anything that has mass and occupies space, this means chemists are interested in just about everything! With the knowledge and tools for proper stewardship of God's creation, those committed to excellence in chemistry can make a difference in a wide array of concerns and issues.

During your studies at MVNU, you will explore the five main branches of Chemistry and learn how they integrate into the large body of scientific understanding.

In the U.S., more than 50 percent of all those who earn a bachelor's degree in chemistry subsequently complete a master's or Ph.D. degree. MVNU has an outstanding record of placement in graduate schools, with qualified faculty providing the personal attention needed to prepare you for advanced studies. Along with state-of-the-art laboratories and modern technology and equipment, students benefit through involvement in events such as

The MVNU Experience

Knox County Science Day, seminars, research, professional meetings, informal faculty-student activities, and student assistantships.

If your interest is chemistry, you will find a place to belong and excel at MVNU.

Our programs will well prepare you to:

- Work as a chemist in academic, government, or industrial laboratories,
- Teach chemistry and physical science in grades 7–12,
- Work as a medical technologist in a hospital,
- Enter medical, dental, optometry, pharmacy and other health-professional schools, or
- Do graduate work in chemistry or a chemistry-related discipline, including biochemistry, forensic science, molecular biology, pharmacology, toxicology, and many more.

Whether your goal is industry or the pharmacy, the classroom or the operating room, MVNU is the place to get started!

MAJORS

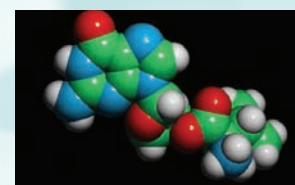
Students in Chemistry may choose a major in one of the following programs:

- **B.S. in Chemistry**
Biochemistry/molecular biology/premedical track
Graduate school/industry track
- **B.S. in Physical Science Education**
Leads to licensure in teaching adolescent to young adult programs and meets the requirements for Ohio and many other states.
- **B.S. in Medical Technology***

* Department in which Medical Technology is housed is subject to change.



CHEMISTRY AND PHYSICAL SCIENCE GRADUATE HIGHLIGHTS



Molecular structure of VALTRESX[®], a drug used to treat herpes infections. KATHRYN CHASTAIN ('05) created a computer graphic of molecular structure.

VALTRESX[®] is a trademark of GlaxoSmithKline.

MARY MANSON ('04)
Children's Hospital Research Institute
Columbus, OH

DR. JERRY TROTTI ('89)
Riverside Radiological Associates
Columbus, OH

DR. MISTI GRIMSON ('96)
Family Practice
Springfield, OH

SHARLA LECHNER ('05)
Polymer chemist at Hospira Inc. - Ashland, OH

PAUL LECHNER ('05)
Analytical chemist at WIL Research Labs
Ashland, OH

JONATHAN RUSH ('97)
Current Good Manufacturing Processes chemist
at Roxane Laboratories; earning MBA
at The Ohio State University

BENJAMIN LINGER ('99)
Ph.D. in biochemistry, Purdue University 2005;
currently postdoctoral research associate
at University of Cincinnati

RODNEY AUSTIN ('92)
Professor at Geneva College - Beaver Falls, PA

JAMES HONG ('03)
Teaching chemistry and physics at South Central
High School - Greenwich, OH