

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



800 Martinsburg Road
Mount Vernon, OH 43050
1-866-462-MVNU
www.gotomvnu.com
admissions@mvnu.edu



COMPUTER SCIENCE

The MVNU Experience

MOUNT VERNON
NAZARENE UNIVERSITY
Life Changing

The MVNU Experience

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*

Computer technology has changed the world. Advances in technology bring a greater need for computer professionals who display strong moral and ethical foundations to properly manage these innovations. Our goal at MVNU is to help students meet this challenge.

We give you a diverse exposure. Those who train narrowly in one area will find their training obsolete for future technologies. Having a solid foundation in both theory and practical skills allows you to adapt as innovations occur.

Whether you're ready for the workforce, or plan to enter graduate school, MVNU offers bachelor's degrees designed to prepare you for a variety of areas in computer science, such as:

- Software engineer
- Database designer/administrator
- Software system designer
- Systems administrator
- Project manager
- Network manager

PROGRAM FEATURES

Concentration Courses:

- Computer Networking
- Operating Systems and Systems Programming
- Programming Languages

Specialized Courses:

- Web Application Development
- Advanced Networking
- The most common programming languages, C, C++, and Java are used throughout the curriculum.
- Opportunities to study and use Java, SQL, and other languages provide a foundation for many business applications.

Our independent study/internship option also permits individual investigation of special topics. Finally, our internship program will give you real-world work experience, usually for pay. Most seniors participate in internships, gaining valuable job experience prior to graduation.

Facilities:

MVNU places a high priority on having excellent equipment and appropriate space for technology:

- The general computer science lab includes 24 desktop computers running Windows XP. Specific computer science applications include Microsoft Visual Studio, Java, several C++ compilers, and software simulations of several systems that are studied in classes.
- The advanced computer science lab consists of systems used in upper-level courses such as operating systems or networking. These special systems run variants of Unix or Windows as needed for class or individual projects.
- In addition, the department maintains a Sun UltraSPARC server running the Unix operating system. This system is used as the programming environment in several classes, such as Software Development and Database Management Systems. This system runs several Web servers for student project work and an SQL database server.

- The Department houses a special lab for an externally funded wireless networking research and development project. The lab includes eight systems running a variety of Microsoft OSs and is used in the development of new wireless networking protocols and support software. Several students are employed as assistants in this project.

MAJORS

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

- **B.S. in Computer Science**
(follows ACM curriculum guidelines and includes a mathematics minor)
- **B.A. in Computer Science**
(allows a minor in any subject)

A two-year program is offered in Business Data Processing.

A minor in Computer Science is also available.

WHAT OUR GRADUATES ARE SAYING

"The computer science and liberal arts education I received at MVNU has been valuable because it prepared me for the process of acquiring knowledge from many different sources that must be consulted when developing a new software application."

BEN HUGUENIN ('01)
Johns Hopkins University, Applied Physics Laboratory

NOTABLE CS GRADUATES

TODD MANION ('01)
Program Manager, Microsoft Inc.

MARK EVILSIZOR ('89)
Director of Computer Services,
Nazarene Publishing House

PAUL SMILEY ('97)
Senior Java Developer, Teradata

KEITH SHAFER ('86)
VP of Software Development, Sterling Commerce
Ph.D., The Ohio State University

