



GENEVA COLLEGE

Cardiovascular Sciences Program

OVERVIEW

Geneva's Cardiovascular Science (CVS) program offers a certificate, Bachelor of Science, Master of Science, or a combined B.S./M.S. in Cardiovascular Sciences. The program combines Geneva's Christ-centered, ministry-focused biology curriculum with training at one of the leading cardiovascular institutes in the nation. Geneva's program is the first in the country to offer a master's degree in CVS.

LOCATION

The Program offers training at the facilities located at the Inova Heart and Vascular Institute (IHVI). The IHVI is part of the Inova -Fairfax Hospital, an 833-bed nonprofit teaching facility located in Falls Church, Virginia, approximately 12 miles west of Washington, DC. The hospital offers a full range of cardiac services and has been nationally recognized for its programs in cardiac medicine. In particular, the IHVI cardiology unit recently ranked 21st out of 1500 hospitals nationally in the US News and World Report. Our Program has been accredited by the Commission for the Accreditation of Allied Health Education Programs since 2000 (www.caahep.org).

ROLE OF THE CARDIOVASCULAR TECHNOLOGIST

In hospitals throughout the country, cardiovascular technologists (CVTs) are vital members of the cardiac care team. Working under the supervision of cardiologists, they perform all phases of diagnostic and therapeutic procedures in the cardiac catheterization laboratory.

Geneva's CVS graduates have been highly successful. In addition to working as CVTs, they have gone on to medical school, hospital administration, or into such specialties as perfusion and pacemaker technology.

EXPANDING SCOPE OF PRACTICE IN INVASIVE CVS

Geneva's program has trained CVTs in the area of invasive cardiovascular technology, which largely encompasses the treatment and diagnosis of vascular (blood vessel) diseases. A relatively new sub-field called cardiac electrophysiology allows cardiologists to insert pacemakers and conduct laser surgery on the electrical system of the heart muscle. The high success rate of electrophysiology has caused hospital case loads to steadily grow and has increased the scope of invasive CVS.

Geneva's M.S. or combined B.S./M.S. degree in cardiovascular sciences was the first in the nation to offer training for the in both vascular and electrophysiology. It is anticipated that this combined training will produce CVS professionals better able to contribute to the effectiveness of cardiac teams treating a wide range of diseases.

PROGRAM OPTIONS

CVS students have the opportunity to spend three years on Geneva's beautiful Beaver Valley campus earning their B.S. in biology, followed by training at Inova Heart and Vascular Institute (IHVI) in Falls Church, Virginia.

CERTIFICATE IN CARDIOVASCULAR SCIENCES

Students spend three semesters at the IHVI campus in Falls Church, Va.

B.S. IN CARDIOVASCULAR SCIENCES

Students spend their first three years taking required biology courses at Geneva. They spend their senior year at the IHVI campus.

B.S./M.S. IN CARDIOVASCULAR SCIENCES

In this five-year program, students spend three years taking required biology courses at Geneva, and complete the next two at the IHVI campus.

M.S. IN CARDIOVASCULAR SCIENCES

Before entering the M.S. in Cardiovascular Sciences program, students must have earned their B.S. in biology or a related field. Students then spend two years at the IHVI campus.

ADDITIONAL INFORMATION FOR CERTIFICATE STUDENTS

The courses in the certificate program prepare you to be a Cardiovascular Technologist (BLS code 29-2031). We have a 100% graduation rate for students who complete the program. The cost is at Geneva's regular undergraduate tuition rate. Books are included in the tuition cost. Room and board is not provided. It may cost between \$800 to \$1,300 per month. 100% of the students who complete the program are employed in the field. On the average, students borrow about \$7,500 in federal loans for the one year certificate program.

PROGRAM ADMINISTRATION

DAVID A. ESSIG, Ph.D, Geneva College Associate Professor of Biology, College Coordinator

MARK MCDOWELL, MBA, RCIS, On-site Program Director

RUSSELL TODD, MGA, RCIS, Clinical Coordinator

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Visit www.geneva.edu/CVT for more information and a complete list of program faculty.