



Georgetown University

BACHELOR OF SCIENCE Human Science

The Cutting Edge of Health Science

Human science is a dynamic undergraduate program focused on the application of scientific discoveries in biology, chemistry, mathematics, and physics to the study of human health, an expansive and increasingly important field in our society today. The **Human Science program** is designed for students who want a firm foundation in basic physical and health sciences as a first step toward careers in scientific writing, health policy, biomedical research, pharmaceutical and medical technology management, public health, and other science-based health-related professions. Human science is also ideal for students who wish to pursue graduate education in medicine, dentistry, physical therapy, clinical research, and other biomedical sciences.

In the first two years, human science students receive a strong foundation in the liberal arts, combined with the core human science courses—human biology, chemistry, pathophysiology, and health promotion/disease prevention. As students advance, the curriculum becomes increasingly science-focused, culminating in seminars where students interpret, discuss, and analyze primary research in the health sciences, and participate in a science internship or research. As upperclassmen, students gain in-depth exposure to a wide range of human science applications through the study of genetics, immunology, biotechnology, microbiology, public health, health care delivery systems, and a variety of elective courses.

Hands-On Experience

With our faculty of renowned experts and Washington, D.C. as our classroom, the possibilities for hands-on human science

experience at NHS are nearly endless. It all begins with the NHS **Discovery Center**—a state-of-the-art teaching laboratory and research facility—where students have the opportunity to further investigate the biological and chemical principles learned in the classroom. Students can also conduct independent health science research with mentoring from Georgetown faculty researchers in the Discovery Center or in other laboratories on campus.

To further supplement this hands-on research experience, human science students complete a seminar on communicating science during the first year. This emphasis on scientific expression gives students the opportunity to create an annotated bibliography, design a professional electronic portfolio, and write short papers in scientific format. Ultimately, these experiences prepare students to write an original, authoritative thesis in publishable format during the senior year.

The human science internship or independent research is a senior course in a health-related setting where students gain professional experience in their field of interest. Human science seniors have held **internships** at MedStar Health's Washington Hospital Center, Georgetown University Medical Center, the National Institutes of Health, the National Academy of Sciences, Congressional and other U.S. Government Offices and Agencies, and many of the 200-plus health-related organizations in the Washington, D.C. area.

NHS also offers an **Honors in Human Science** program, which recognizes students pursuing a high level of independent discovery research (laboratory, archival, community) culminating in a senior thesis.

For more information on this and other health programs in NHS, please contact:

Georgetown University
School of Nursing & Health Studies
Department of Human Science
St. Mary's Hall, 2nd Floor
3700 Reservoir Road, NW
Washington, DC 20057-1107

NHS
NURSING & HEALTH STUDIES

Call 202-687-2781 • Fax 202-687-3703 • E-mail nhsadmissions@georgetown.edu
AIM/Google Talk talk2nhs • Visit <http://humanscience.georgetown.edu>

For application requirements, deadlines, and forms, contact the **Office of Undergraduate Admissions**: <http://uadmissions.georgetown.edu> (202) 687-3600.

For information about scholarships and financial aid, contact the **Office of Student Financial Services**: <http://finaid.georgetown.edu> (202) 687-4547.



SAMPLE Program of Study BS IN HUMAN SCIENCE

First Year

FALL SEMESTER

Course	Credits
Human Biology I	4
General Chemistry I	5
Research in Health Care	2
Seminar in Communicating Science	1
First Year Colloquium	1
Core Requirement or Elective	3
Total Credits	16

SPRING SEMESTER

Course	Credits
Human Biology II	4
General Chemistry II	5
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	15

Sophomore Year

FALL SEMESTER

Course	Credits
Nutrition & Disease Prevention	3
Pathophysiology	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	15

SPRING SEMESTER

Course	Credits
Health Promotion/Disease Prevention	3
Molecular and Cellular Fundamentals	4
Statistics	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	16

Junior Year

FALL SEMESTER

Course	Credits
Microbiology	4
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	16

SPRING SEMESTER

Course	Credits
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	15

Senior Year

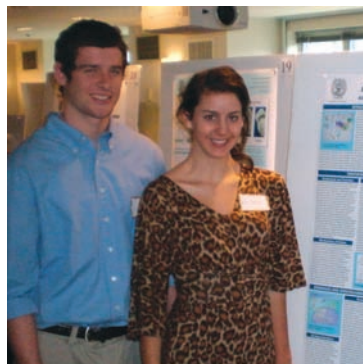
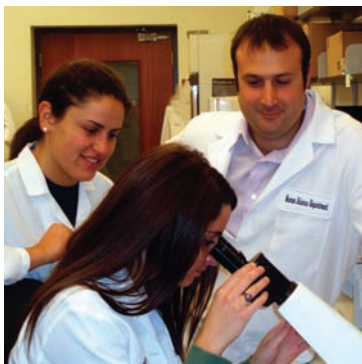
FALL SEMESTER

Course	Credits
Immunology	3
Genetics	4
Physiological Adaptations	4
Seminar in Contemporary Science I	1
Core Requirement or Elective	3
Total Credits	15

SPRING SEMESTER

Course	Credits
Health Science Internship	6
Seminar in Contemporary Science II	1
Core Requirement or Elective	3
Core Requirement or Elective	3
Total Credits	13

<http://humanscience.georgetown.edu>



The **flexibility** of the Human Science curriculum allows students to enroll in 10–14 free electives. This gives students the option to complete a **minor, study abroad**, and fulfill coursework for **medical school** and other graduate programs.

Core requirements include: English (2), Theology (2), Philosophy, and Ethics.