

# BACHELOR OF SCIENCE IN HEALTH SCIENCES WITH A MAJOR IN CLINICAL RESEARCH ADMINISTRATION

Held exclusively online, the bachelor of science in health sciences (BSHS) with a major in clinical research administration prepares students to meet the increasing global needs for a highly qualified workforce within the clinical research arena. The program creates a learning environment that supports student and faculty excellence in clinical research competencies, such as scientific concepts and research design, ethical and patient safety considerations, drug development, clinical trial operations, human subject protection, Good Clinical Practice (GCP), regulatory requirements, and key business components. To achieve this mission, the program draws upon its diverse, multidisciplinary student body; outstanding, collaborative, practice-based faculty; and the vast resources available at the University.

Visit the program website for more information.

## ADMISSIONS

Admission Fall: July 15  
deadlines:

Spring: November 15

Summer: March 15

Standardized SAT/ACT optional  
test scores

Recommendation One letter of recommendation is required.

required Recommendation should be from a high school guidance counselor, an academic teacher, or a previous or current supervisor.

Prior academic records Transcripts are required from all colleges and universities attended (including via dual enrollment), whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Transcripts must be forwarded in their original sealed envelopes. Official transcript may also be sent electronically directly from the institution.

Applicants may receive credit for college-level coursework through International Baccalaureate (IB) or College Board Advanced Placement (AP) examinations. Official score results must be forwarded directly from the College Board. Please refer to GW Undergraduate Admissions (<https://undergraduate.admissions.gwu.edu/>) for information on maximum credits, minimum scores, and GW course equivalents for AP and IB credits.

Non-traditional credit sources may be considered on a case-by-case basis (i.e. military coursework, credit-by-exam, and non-college based health programs). Information on transfer credit eligibility may be found in the Bulletin under Regulations (see Transfer Credit/Advanced Standing for Undergraduates), including minimum letter grade requirements.

Statement of purpose All applicants are required to submit an essay of approximately 250-300 words. Describe your interest in undertaking study at the George Washington University. What are some of your academic objectives or career goals? Please highlight any of your related qualifications and achievements--including academic, community, professional, or extra-curricular activities relevant to your program of interest.

Additional requirements The fully online program is only available for transfer students. Students must have at least 45 credits of college-level coursework with a minimum 2.5 overall GPA from a regionally accredited institution of higher learning in order to be considered for admission.

The minimum acceptable grade is C for coursework to be applied toward an undergraduate degree (grades of C- and below do not transfer to GW SMHS programs).

A resume is optional but encouraged.

Prerequisites Prerequisite courses that must be completed prior to admission: 6 credits in English composition; 3 credits in college mathematics (college algebra, statistics, or above); 3 to 4 credits in natural or physical science with a lab; 6 credits in social sciences; and 3 credits in humanities.

International applicants only This program can be completed fully online. The program is not visa eligible.

Official transcripts from institutions outside the U.S. must be accompanied by an official transcript evaluation from an accredited independent evaluating agency. Please be sure you request a detailed evaluation that includes all course titles, credit hours, grades, U.S. degree equivalency, grade-point averages (GPA), and date of degree conferral. For a list of acceptable foreign credential evaluation services, please click here (<https://www.naces.org/members.php>).

Applicants who are not U.S. citizens are required to submit official test scores for either Test of English as a Foreign Language (TOEFL) or Pearson's Test of English (PTE) Academic or the academic International English Language Testing System (IELTS). The following are the minimum scores for admission consideration: TOEFL: 250 computer-based or 100 Internet-based, PTE: overall score of 68, or IELTS: an overall band score of 7.0, with no individual band score below 6.0

International applicants who meet the following conditions may be considered for admission without submitting TOEFL, PTE or IELTS or scores: They are a citizen of countries where English is the official language (as identified by GW ISO list of Exempt countries) OR; They hold at least a bachelor degree from a country where English is the official language as well as language of instruction OR; They hold at least a bachelor degree from an institution accredited by a U.S. regional accrediting agency.

**Supporting documents not submitted online should be mailed to:**

George Washington University

ATTN: Transcript Processing Center  
1415 W 22<sup>nd</sup> St.  
Suite 220  
Oak Brook, IL 60523

Alternatively, official electronic transcripts can be sent to transcripts@hsprograms.gwu.edu.

**Contact for questions:**

hsphora@gwu.edu  
202-994-0384 (phone)  
202-994-0870 (fax)  
Hours: 9 am to 5 pm, Monday through Friday

## REQUIREMENTS

The following requirements must be fulfilled: 120 credits in required and elective courses. At least 60 of these credits must be taken at GW. General education coursework must be completed prior to matriculation in the program.

Code	Title	Credits
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**General education**

3 credits in critical thinking in the humanities

6 credits in critical thinking in the social sciences

6 credits in English composition

3 credits in quantitative reasoning (college algebra, statistics or above)

4 credits in scientific reasoning (must be in natural and/or physical sciences with lab)

**The following 60 credits in coursework, which must be taken at GW:**

**Required courses for the major: 51 Credits**

CRA 3101	Basics of Clinical Research *
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CRA 3102	Processes of Clinical Research *
CRA 3103	Good Clinical Practices *
CRA 4104	Business of Clinical Research *
CRA 4107	Introduction to Monitoring Clinical Trials *
CRA 4125	Capstone in Clinical Research Administration *
COHM 4110	Strategic Communication for Healthcare Professionals
HSCI 2050	Foundations of Health Equity
HSCI 2102	Pathophysiology
HSCI 2105	Current Issues in Bioethics
HSCI 2112W	Writing in the Health Sciences
HSCI 2117	Introduction to Statistics for Health Sciences
HSCI 3114	Management of Health Science Services
HSCI 4106	Introduction to Epidemiology for Health Sciences
INFR 4101	Introduction to Medical Informatics
HSCI 4112W	Research and Writing in Health Sciences
RAFF 3101	Introduction to Regulatory Affairs

**Electives: 9 Credits**

3 elective courses selected from the list below in consultation with the academic advisor; alternative elective courses may be approved. Students also may, with permission, complete additional courses selected from this list to fulfill school-specific requirements. \* \*\* \*\*

CML 3101	Management of Human Resources in Health Sciences Organizations
CML 4144	Seminar in Health Science Leadership
COHM 3142	Finance for Healthcare Managers
COHM 4101	Marketing for Healthcare Leaders
COHM 4145	Case Studies for Clinical Healthcare Management and Leadership
CRA 4106	Clinical Research Administration Internship
EHS 2109	Infectious Diseases and Bioterrorism
EHS 2160	Disaster Response Planning and Management

EHS 2211	Introduction to Telemedicine
EHS 3107	Financial Management for the Disaster Cycle
EHS 3174	Foundations of Emergency Health Services Systems
EHS 3175	Community Risk Management and Safety in Emergency Health Services
EHS 4101	Humanitarian Relief Operations
EHS 4110	Operations Management in Emergency Health Services Systems
EHS 4111	Leadership Concepts in EHS
EHS 4112	Special Operations and Disaster Management
EHS 4144	Seminar in EHS Leadership
HSCI 2101	Psychosocial Aspects of Health and Illness
HSCI 2107	Healthcare in Literature
HSCI 2110	Disease Prevention and Health Promotion Concepts
HSCI 2111	Development of the Health Care Professions
HSCI 2118	Global Women's Health
HSCI 2190	Independent Study in Clinical Health Sciences
HSCI 2195	Special Topics in Health Sciences
HSCI 2503	Survey of Medical Terminology
HSCI 3103	Organic Chemistry I
HSCI 3108	Microbiology for Health Sciences Laboratory
HSCI 3109	Trends and Innovations in Healthcare
HSCI 3117	Principles of Biostatistics for Health Sciences
HSCI 4102	Human Physiology in Extreme Environments
HSCI 4103	Healthcare Law and Regulation
HSCI 4105	Case Studies in Healthcare
HSCI 4114	Healthcare in Developing Nations
INFR 3102	Scripting

INFR 4102	Survey of Medicine for Informaticians
INFR 4103	Programming for Informaticians
INFR 4104	Medical Informatics Terminology & Standards
INFR 4105	Consumer Health Informatics
INFR 4106	Population Health for Medical Informatics
INFR 4107	Clinical Decision Support
INFR 4108	Information Extraction for Medical Informatics
INFR 4109	Evaluation Methods in Medical Informatics
INFR 4110	Biomedical Data Science
INFR 4121	High Performance Computing
INFR 4122	Advanced Scripting
MLS 2000	Biology for Health Sciences
MLS 2001	Chemistry for Health Sciences
MLS 2005	Plagues, Pandemics, and Epidemics

\* These courses should be taken in the sequence shown. Students should consult their advisor for details.

\*\* Advanced standing from eligible transfer credit also may be considered. Credit from non-traditional sources, i.e., other than from academic coursework, may be considered on a case-by-case basis. This may include military coursework, credit by examination, and non-college based health programs.

## COMBINED PROGRAMS

### Combined programs

- Dual bachelor of Science in Health Sciences with a major in clinical research administration and Master of Science in Health Sciences in leadership and strategy in regulatory affairs and clinical research administration (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/dual-bshs-clinical-research-administration-mshs-leadership-and-strategy-regulatory-affairs-and-clinical-research-administration/>)
- Dual Bachelor of Science in Health Science with a major in clinical research administration and Master of Science in Health Sciences in the field of biomedical informatics (<https://bulletin.gwu.edu/medicine-health-sciences/undergraduate-programs/dual-bshs-clinical-research-administration-mshs-biomedical-informatics/>)
- Dual Bachelor of Science in Health Sciences with a major in clinical research administration and Master of Science in Health Sciences in the field of clinical research administration

- Dual Bachelor of Science in Health Sciences with a major in clinical research administration and Master of Science in Health Sciences in the field of clinical translational research
- Dual Bachelor of Science in Health Sciences with a major in clinical research administration and Master of Science in Health Science in the field of regulatory affairs