

GRADUATE CERTIFICATE IN BIOMEDICAL INFORMATICS

The biomedical informatics program prepares professionals for a rewarding career in health care leadership and research. Graduates will be skilled in the integration of programming, data analysis and data manipulation skills to solve biomedical problems. Students learn how to apply data analytics to improve the quality of healthcare and patient outcomes. This interdisciplinary education includes components of clinical healthcare, computer science, data analytics, ethics and translational medicine. Our innovative curriculum include courses in statistics, leadership, computer programming, and clinical care and the healthcare system. Students develop informatics analytics and tools in support of clinical decision-making, clinical research, and patient engagement. Graduates are well-prepared for informatics careers working at hospitals and medical centers, pharmaceutical companies, global health care organizations, consulting groups, and in government agencies.

The introduction of electronic health records and health databases within the clinical setting has transformed health care. Informatics serves as the bridge between human-computer interactions in the health care space, as well as how the data we collect in these settings can be leveraged to improve patient safety, outcomes, and quality.

Visit the program website (<https://smhs.gwu.edu/bulletin/smhs/certificate/biomedical-informatics/>) for additional information

ADMISSIONS

Admissions Fall - July 20

Deadlines:

Spring - December 1

Summer - March 20

The application and all supporting documentation (fees, statement of purpose, letters of recommendation, transcripts) must be received by the deadline in order for the application to be reviewed.

Standardized Not required

Test Scores:

Recommendations Two (2) letters of recommendation.

required: Recommendations should be from an academic instructor who can strongly attest to your academic ability and/or someone who has served in a supervisory capacity for you and can strongly attest to your work ethic. Recommendations from family and friends are not accepted.

Prior Academic Records: Official 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. Official transcripts must be forwarded in their original sealed envelopes or sent electronically directly from the institution.

If academic records are in a language other than English, a certified English language translation must be provided in addition to the original transcripts; translations alone will not be accepted.

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 follow this link: <https://www.naces.org/members> (<https://www.naces.org/members/>).

Statement of Purpose: In an essay of approximately 250-500 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. Include any substantial accomplishments not already mentioned within the application.

Degree and GPA Requirements: Bachelor's degree from a regionally-accredited institution

Cumulative GPA of 3.0 or above on a 4.0 scale

Additional Requirements: Resume is required.

International Students: International students should check with individual programs regarding eligibility for visa sponsorship. Generally, online and hybrid programs are not eligible for student visa sponsorship from GW. This would include transfer students from any other institution with an existing visa.

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#Pearsons#Test of English (PTE), Academic the academic International English Language Testing System (IELTS) or the Duolingo English Test (DET). The following are the minimum scores for admission consideration:#TOEFL: 600 on paper based, 250 on computer-based, or 100 Internet-based, PTE: overall score of 68, IELTS: an overall band score of 7.0, with no individual band score below 6.0, or DET overall score of 120. *Scores can be no older than 2 years.

International applicants who meet the following conditions may be considered for admission without submitting TOEFL, PTE or IELTS or DET 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.

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| INFR 6540 | Medical Decision Making and Decision Support Systems |
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Elective

One 3-credit elective course selected from the following with the advisor's approval. The advisor may approve an alternative elective.

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| INFR 6103 | Advanced Computing Applications for Biomedical Informatics |
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| HSCI 6273 | Bioinformatics for Genomics |
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| HSCI 6265 | Grantsmanship in Translational Research |
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Supporting documents not submitted online should be mailed to:

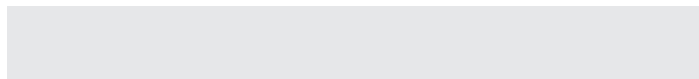
George Washington University
 ATTN: Transcript Processing Center
 1415 W 22nd St.
 Suite 220
 Oak Brook, IL 60523

Documents may be submitted electronically
 to: transcripts@hsprograms.gwu.edu.

Contact for questions:

hsphora@gwu.edu
 202-994-0384 (phone)
 Hours: 9:00 am to 5:00 pm, Monday through Friday

REQUIREMENTS



| Code | Title | Credits |
|-----------------|---|---------|
| Required | | |
| INFR 6101 | Principles of Medical Informatics | |
| INFR 6102 | Principles of Medicine for Informaticians | |
| INFR 6105 | Health Care Quality for Informatics | |
| INFR 6121 | High Performance Computing | |