

# DUAL BACHELOR OF SCIENCE WITH A MAJOR IN HEALTH DATA SCIENCE AND MASTER OF SCIENCE IN THE FIELD OF HEALTH DATA SCIENCE

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The Milken Institute School of Public Health offers a dual bachelor of science with a major in health data science (<http://bulletin.gwu.edu/public-health/biostatistics-bioinformatics/bs-health-data-science/>) (BS) and master of science in the field of health data science (<http://bulletin.gwu.edu/public-health/biostatistics-bioinformatics/ms-health-data-science-applied-bioinformatics-concentration/>) (MS) degree. The program allows students to take up to 9 graduate credits as part of their undergraduate degree, thereby decreasing the number of credits normally required for the master's degree. All requirements for both degrees must be fulfilled.

Students interested in the dual degree program should confer with the graduate advisor.

## Credit sharing: 9 credits

Code	Title	Credits
MS courses taken during the BS program and corresponding BS courses waived:		
PUBH 6854	Applied Computing in Health Data Science	
One of the following BS courses is waived:		
PUBH 4201	Practical Computing *	
or CSCI 1011	Introduction to Programming with Java	
or CSCI 1012	Introduction to Programming with Python	
PUBH 6884	Bioinformatics Algorithms and Data Structures	
One of the following BS courses is waived:		
PUBH 4202	Bioinformatics Algorithms and Data Structures	
or CSCI 1112	Algorithms and Data Structures	
PUBH 6860	Principles of Bioinformatics	
The following BS course is waived:		
PUBH 3201	Introduction to Bioinformatics	
PUBH 6867	Health Data Visualization **	

The following BS course is waived:

PUBH 3242      Health Data Visualization

\*If a student has already taken PUBH 4201, PUBH 6859 High Performance and Cloud Computing is taken during the undergraduate program instead of PUBH 6854.

\*\*PUBH 6867 is an elective option for BS students. Unlike the other MS courses listed above, it does not have to be taken during the BS program.

Visit the BS in health data science (<https://publichealth.gwu.edu/programs/health-data-science-bs/>) and MS in health data science (<https://publichealth.gwu.edu/programs/health-data-science-ms/>) program websites for additional information about the individual programs.