

MASTER OF SCIENCE IN PRECISION HEALTH

Department Website: <https://precisionhealth.bsd.uchicago.edu/>

The Institute for Population and Precision Health at the University of Chicago offers a program of study leading to the degree of Master of Science in Precision Health. This unique program leverages the University's resources and faculty expertise in the areas of population health and precision medicine. The curriculum includes core coursework in biostatistics, informatics, epidemiology, precision medicine, and health research. Beyond the core curriculum, students also complete advanced coursework in an area of concentration including clinical research, data science, or entrepreneurship in medicine. A culminating capstone project completes the program and provides hands-on experience in an area of the student's choosing.

PROGRAM REQUIREMENTS

The program requires the successful completion of 10 graduate-level courses, including:

- A *core curriculum* of 7 courses, including a capstone course
- A *concentration* consisting of 3 courses in the chosen field

As part of the capstone course, all students will complete a final project and presentation. The culminating project may be research-based or applied depending on a student's interests and career objectives. Students will work with a mentor who will provide guidance and feedback throughout the capstone experience.

Students are also encouraged to participate in seminars and workshops that are of interest to them.

REQUIRED COURSES

The following courses are required:

- MSPH 31300 Healthcare Data Sciences I
- MSPH 32100 Introduction to Biomedical Informatics
- MSPH 31000 Foundations in Epidemiology and Precision Health
- MSPH 45000 Pharmacogenomics
- MSPH 31400 Healthcare Data Sciences II
- MSPH 35001 Applied Precision Health

Requests for substitution of one of the above courses with a similar course are reviewed on a case-by-case basis. Students wishing to substitute an equivalent course in place of a required course must first seek permission of the faculty director. Approval by the course instructor and satisfaction of required prerequisites is also required.

APPLICATION FOR ADMISSION

The program recognizes multiple application deadlines each year for matriculation in Autumn Quarter. The application consists of an online application, copies of transcripts from all postsecondary education, TOEFL or IELTS scores (if applicable), three letters of recommendation, resume or curriculum vitae, and a personal statement.

Interested students should visit the program website at <https://precisionhealth.bsd.uchicago.edu/>.

