



### ***Twin Cities Campus***

## **Human Genetics Minor**

*Genetics, Cell Biology, and Development TCBS*

### **Medical School**

Link to a [list of faculty](#) for this program.

- **Students will no longer be accepted into this program after Summer 2014. Program requirements below are for current students only.**

### **Contact Information:**

Institute of Human Genetics, 420 Delaware Street S.E., MMC 206, Minneapolis, MN 55455

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Summer 2014
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The Institute of Human Genetics mission is to function both as a research center and resource for scientists within the Medical School and throughout the University of Minnesota. In this capacity it will develop and foster excellence in human genetic research and education, and provide a bridge between the basic and clinical sciences particularly as they relate to understanding and treating human diseases.

The courses for the human genetics minor require a basic understanding of human and molecular genetics and some statistics.

## **Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)

## **Prerequisites for Admission**

Other requirements to be completed before admission:

No specific course prerequisites are required for admission to the minor in human genetics. The following courses serve as prerequisites for the core courses that can be included in the minor: BIOL 4003 - Genetics (3 cr), GCD 4143 - Human Genetics (3 cr), GCD 4034 - Molecular Genetics (3 cr) or GCD 8121/BIOC 8002 - Advanced Molecular Genetics (3 cr), STAT 3011 - Introduction to Statistical Analysis (3 cr), PUBH 5414 - Biostatistical Methods I (3 cr), and basic introductory courses to prokaryotic and eukaryotic molecular genetics. If a student has an insufficient background in a particular area the Steering Committee may recommend specific courses prior to starting the human genetics minor program. These courses do not count toward the minor requirements.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

## **Program Requirements**

Use of 4xxx courses towards program requirements is not permitted.

All students in the minor must take a basic graduate level human genetics course (such as GCD8073 - Advanced Human Genetics). Additional courses to fulfill the requirements for the minor are selected from courses that are appropriate for advanced study in human genetics. Representative courses are listed in genetics, epidemiology/public health, psychology, and law. All courses for the minor cannot be from the same department/program, and students are encouraged to take at least one course that is outside of their major course area (such as taking a non-GCD course for a MCDBG student). Contact the program for specific courses for the minor program.