

## MS in Human Genetics Program

### *Timeline and checklist 2021*

Updated October 28, 2021

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### Year 1 fall semester

#### Coursework

<input type="checkbox"/>	BIOST 2041	Introduction to Statistical Methods	3 credits
<input type="checkbox"/>	EPIDEM 2110	Principles of Epidemiology	3 credits
<input type="checkbox"/>	HUGEN 2010	Bioinformatic Resources for Geneticists	1 credit
<input type="checkbox"/>	HUGEN 2022	Human Population Genetics	2 credits
<input type="checkbox"/>	HUGEN 2025	Human Genetics Seminar	0 credits
<input type="checkbox"/>	HUGEN 2040	Molecular Basis of Human Inherited Disease	3 credits
<input type="checkbox"/>	PUBHLT 2022	The Dean's Public Health Grand Rounds	0 credits
<input type="checkbox"/>	HUGEN 2021	Special Studies	0-3 credits
<input type="checkbox"/>	course number	elective course	0-3 credits

#### Research and professional development

- Interview potential mentors and begin thesis research project
- Complete the following CITI research training modules available at [www.citi.pitt.edu/citi/](http://www.citi.pitt.edu/citi/)
  - Conflicts of Interest
  - Responsible Conduct of Research
  - Human Subjects Research
  - Animal Research (if applicable)

## Year 1 spring semester

### Coursework

<input type="checkbox"/>	HUGEN 2025	Human Genetics Seminar	0 credits
<input type="checkbox"/>	HUGEN 2028	Human Genetics Journal Club and Peer Review	1 credit
<input type="checkbox"/>	HUGEN 2060	Chromosome Structure and Function	2 credits
<input type="checkbox"/>	HUGEN 2090	Genetics of Complex Disease 1	2 credits
<input type="checkbox"/>	HUGEN 2091	Genetics of Complex Disease 2	1 credits
<input type="checkbox"/>	PUBHLT 2011	Essentials of Public Health	3 credits
<input type="checkbox"/>	PUBHLT 2022	The Dean's Public Health Grand Rounds	0 credits
<input type="checkbox"/>	HUGEN 2021	Special Studies	0-6 credits
<input type="checkbox"/>	course number	elective course	0-3 credits
<input type="checkbox"/>	course number	elective course	0-3 credits

### Research and professional development

- Continue thesis research
- or
- Interview potential mentors and begin thesis research project
- Discuss participation in Dean's Day Student Research Symposium with research mentor

## Year 2 fall semester

### Coursework

<input type="checkbox"/>	HUGEN 2011	Scientific Writing in Human Genetics	1 credit
<input type="checkbox"/>	PUBHLT 2030	Research Ethics	1 credit
<input type="checkbox"/>	HUGEN 2021	Special Studies	3-13 credits
<input type="checkbox"/>	course number	elective course	0-3 credits
<input type="checkbox"/>	course number	elective course	0-3 credits

### Research and professional development

- Continue thesis research or interview potential mentors and begin thesis research project
- Invite faculty to serve on Comprehensive Exam committee; submit committee to Noel Harrie
- Schedule date of Comprehensive Examination for fall or early spring semester
- Take Comprehensive Examination unless scheduled for early spring
- Invite faculty to serve on thesis committee

## Year 2 spring semester

### Coursework

<input type="checkbox"/>	HUGEN 2021	Special Studies	1-15 credits
<input type="checkbox"/>	course number	elective course	0-3 credits
<input type="checkbox"/>	course number	elective course	0-3 credits

### Research and professional development

- Continue thesis research
- Take Comprehensive Examination in early spring semester if not already taken
- Discuss participation in Dean's Day Student Research Symposium with research mentor
- Schedule and defend thesis; upload electronic thesis document