

MS in Human Genetics Program

Timeline and checklist 2022

Updated November 1, 2022

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 2020	Population Genetics and Genetic Epidemiology	3 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 Academic Integrity Training
- Complete Laboratory Safety Training (e.g., Chemical Hygiene, Bloodborne pathogens, if applicable)
- Complete the following CITI research training modules available at 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 2010	Bioinformatic Resources for Geneticists	1 credit
<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"/>	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	2-8 credits

electives

<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"/>	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 | 0-13 credits |

electives

- | | | | |
|--------------------------|---------------|------------------------------|-------------|
| <input type="checkbox"/> | HUGEN 2029 | Introduction to Gene Mapping | 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 |

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