

MS Genetic Counseling Program

Timeline and Checklist

Updated October 28, 2021

Year 1 fall semester

Coursework

<input type="checkbox"/>	BIOST 2041	Introduction to Statistical Methods 1	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 2035	Principles of Genetic Counseling	3 credits
<input type="checkbox"/>	HUGEN 2040	Molecular Basis of Human Inherited Disease	3 credits
<input type="checkbox"/>	HUGEN 2047	Clinical Genetics Case Conference	0 credits
<input type="checkbox"/>	EPIDEM 2110	Principles of Epidemiology	3 credits
<input type="checkbox"/>	PUBHLT 2022	The Dean's Public Health Grand Rounds	0 credits

Research and professional development

- Attend Human Genetics Department Retreat at Pymatuning. *Not a program requirement, but highly encouraged*
- Complete all clearances, vaccinations, and other requirements for clinical rotation sites
- Begin thinking about your optional rotation site. If you would like to go off-site for this rotation, begin working with program leadership to set up the rotation.
- Begin observational rotations
- Schedule and attend individual quarterly meeting with Program Leadership

- Attend Genetic Counseling Leadership Seminar
- Begin to develop ideas for your thesis project by speaking with program leadership, research mentors, faculty, and previous students
- Begin/continue working on the online embryology modules
- 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 2025	Human Genetics Seminar	0 credits
<input type="checkbox"/>	HUGEN 2032	Genetic Techniques	2 credits
<input type="checkbox"/>	HUGEN 2038	Intervention Skills for Genetic Counselors	3 credits
<input type="checkbox"/>	HUGEN 2039	Risk Calculation for Genetic Counseling	1 credit
<input type="checkbox"/>	HUGEN 2047	Clinical Genetics Case Conference	0 credits
<input type="checkbox"/>	HUGEN 2052	Ethical Issues in Clinical and Public Health Genetics	0 credits
<input type="checkbox"/>	HUGEN 2060	Chromosome Structure and Functions	2 credits
<input type="checkbox"/>	HUGEN 2061	Cancer Genetic Counseling	1 credit
<input type="checkbox"/>	HUGEN 2090	Genetics of Complex Disease I	2 credits
<input type="checkbox"/>	HUGEN 2091	Genetics of Complex Disease II	1 credit
<input type="checkbox"/>	PUBHLT 2022	The Dean's Public Health Grand Rounds	0 credits
<input type="checkbox"/>	PUBHLT 2011	Essentials of Public Health	3 credits

Research and professional development

- Decide on your optional rotation site

- Complete observational rotations
 - Prenatal
 - Pediatric
 - Cancer
 - Cystic Fibrosis Clinic
 - Muscular Dystrophy Clinic
- Finalize your thesis project plan
- Complete Embryology modules
- Schedule and attend individual quarterly meeting with Robin & Andrea.

Year 1 summer semester

Research and professional development

- Research and Professional Development Summer Series
- Meet with Pitt Public Health Career Services and write resume and cover letter template
- Begin clinical rotations
- Finalize MS Thesis Committee
- Complete the MS Thesis Project Summary Form
- Begin writing the literature review chapter of the thesis document
- Obtain IRB approval (or IRB indication that IRB approval not needed) for thesis project
- Hold a meeting with all MS Thesis Committee Members
- Schedule and attend individual quarterly meeting with Program Leadership

Year 2 fall semester

Coursework

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|--------------------------|------------|-----------------------------------|------------|
| <input type="checkbox"/> | HUGEN 2036 | Genetic Counseling Internship | 4 credits |
| <input type="checkbox"/> | HUGEN 2047 | Clinical Genetics Case Conference | 0-1 credit |

Research and professional development

- Clinical Rotations
- Comprehensive Exam
- Attend NSGC AEC
- Complete the Literature Review chapter and begin Manuscript chapter of the thesis document
- Begin applying to and interviewing for jobs
- Schedule and attend individual quarterly meeting with Program Leadership

Year 2 spring semester

Coursework

- | | | | |
|--------------------------|------------|-----------------------------------|------------|
| <input type="checkbox"/> | HUGEN 2036 | Genetic Counseling Internship | 4 credits |
| <input type="checkbox"/> | HUGEN 2047 | Clinical Genetics Case Conference | 0-1 credit |

Research and professional development

- Clinical Rotations
- Oral Exam
- Continue job interviews
- Schedule and attend individual quarterly meeting with Program Leadership

- Discuss participation in Dean's Day Student Research Symposium with research mentor
 - Construct poster and have it approved by thesis committee
 - Print poster (resources may be available to cover printing costs)
- Submit the first draft of the thesis document to the MS Thesis Committee Chair at least one month prior to the thesis defense date
- Submit the final draft of the thesis document to all MS Thesis Committee members at least one week (but preferably two weeks) prior to the thesis defense date
- Thesis Defense
- Upload electronic thesis document
- Participate in focus group activity as part of HUGEN 2036
- Schedule and attend individual exit interview with Program Leadership