## Year 1 fall semester

### Coursework

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOST 2041</td>
<td>Introduction to Statistical Methods 1</td>
<td>3 credits</td>
</tr>
<tr>
<td>HUGEN 2010</td>
<td>Bioinformatic Resources for Geneticists</td>
<td>1 credit</td>
</tr>
<tr>
<td>HUGEN 2022</td>
<td>Human Population Genetics</td>
<td>2 credits</td>
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<tr>
<td>HUGEN 2025</td>
<td>Human Genetics Seminar</td>
<td>0 credits</td>
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<tr>
<td>HUGEN 2035</td>
<td>Principles of Genetic Counseling</td>
<td>3 credits</td>
</tr>
<tr>
<td>HUGEN 2040</td>
<td>Molecular Basis of Human Inherited Disease</td>
<td>3 credits</td>
</tr>
<tr>
<td>HUGEN 2047</td>
<td>Clinical Genetics Case Conference</td>
<td>0 credits</td>
</tr>
<tr>
<td>EPIDEM 2110</td>
<td>Principles of Epidemiology</td>
<td>3 credits</td>
</tr>
<tr>
<td>PUBHLT 2022</td>
<td>The Dean's Public Health Grand Rounds</td>
<td>0 credits</td>
</tr>
</tbody>
</table>

### 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

☐ HUGEN 2025 Human Genetics Seminar 0 credits
☐ HUGEN 2032 Genetic Techniques 2 credits
☐ HUGEN 2038 Intervention Skills for Genetic Counselors 3 credits
☐ HUGEN 2039 Risk Calculation for Genetic Counseling 1 credit
☐ HUGEN 2047 Clinical Genetics Case Conference 0 credits
☐ HUGEN 2052 Ethical Issues in Clinical and Public Health Genetics 0 credits
☐ HUGEN 2060 Chromosome Structure and Functions 2 credits
☐ HUGEN 2061 Cancer Genetic Counseling 1 credit
☐ HUGEN 2090 Genetics of Complex Disease I 2 credits
☐ HUGEN 2091 Genetics of Complex Disease II 1 credit
☐ PUBHLT 2022 The Dean's Public Health Grand Rounds 0 credits
☐ 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

☐ HUGEN 2036 Genetic Counseling Internship 4 credits
☐ 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

☐ HUGEN 2036 Genetic Counseling Internship 4 credits
☐ 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