Year 1 fall semester

Coursework

☐ BIOST 2041 Introduction to Statistical Methods 3 credits
☐ EPIDEM 2110 Principles of Epidemiology 3 credits
☐ HUGEN 2010 Bioinformatic Resources for Geneticists 1 credit
☐ HUGEN 2022 Human Population Genetics 2 credits
☐ HUGEN 2025 Human Genetics Seminar 0 credits
☐ HUGEN 2040 Molecular Basis of Human Inherited Disease 3 credits
☐ PUBHLT 2022 The Dean's Public Health Grand Rounds 0 credits
☐ HUGEN 2021 Special Studies 0-3 credits

Research and professional development

☐ Interview potential mentors and begin first research rotation project
☐ 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)
☐ Interview potential mentors and arrange second research rotation project to start Spring
Year 1 spring semester

Coursework

- HUGEN 2025 Human Genetics Seminar 0 credits
- HUGEN 2028 Human Genetics Journal Club and Peer Review 1 credit
- HUGEN 2060 Chromosome Structure and Function 2 credits
- HUGEN 2090 Genetics of Complex Disease 1 2 credits
- HUGEN 2091 Genetics of Complex Disease 2 1 credit
- PUBHLT 2011 Essentials of Public Health 3 credits
- PUBHLT 2022 The Dean's Public Health Grand Rounds 0 credits
- HUGEN 2021 Special Studies 3-6 credits

electives

- course number elective course 0-3 credits

Research and professional development

- Begin second research rotation project
- Upon completion of the second rotation project, choose a dissertation research mentor or
  Interview potential mentors for third research rotation project to start Summer
- Discuss participation in Dean’s Day Student Research Symposium with rotation mentors

Year 1 summer semester

- Begin dissertation research or Summer research rotation
- Participate in Summer Research in Progress (SRIP) seminar series
Year 2 fall semester

Coursework

☐ HUGEN 2011 Scientific Writing in Human Genetics 1 credit
☐ HUGEN 2025 Human Genetics Seminar 0 credits
☐ HUGEN 2029 Introduction to Gene Mapping 3 credits
☐ PUBHLT 2030 Research Ethics 1 credit
☐ HUGEN 2021 Special Studies 7-10 credits

electives
☐ HUGEN 2071 Genomic Data Processing and Structures 3 credits
☐ course number elective course 0-3 credits

Research and professional development

☐ Choose a dissertation research mentor or continue dissertation research
☐ Discuss Fall Student Evaluation Form with Mentor
☐ Invite faculty to serve on Qualifying Examination committee; submit committee to Noel Harrie
☐ Schedule date of Qualifying Examination for Fall or Spring semester
☐ Take Qualifying Exam unless scheduled for Spring
## Year 2 spring semester

### Coursework

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>HUGEN 2025</td>
<td>Human Genetics Seminar</td>
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<td>HUGEN 2028</td>
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<td>HUGEN 2021</td>
<td>Special Studies</td>
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**electives**

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<tr>
<td>HUGEN 2051</td>
<td>Inborn Errors of Development</td>
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<tr>
<td>HUGEN 2072</td>
<td>Genomic Data Pipelines and Tools</td>
<td>3</td>
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<tr>
<td>HUGEN 2073</td>
<td>Genomic Data Visualization and Integration</td>
<td>3</td>
</tr>
<tr>
<td>HUGEN 2080</td>
<td>Statistical Genetics</td>
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<td>Course number</td>
<td>elective course</td>
<td>0-3</td>
</tr>
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</table>

### Research and professional development

- Continue dissertation research
- Participate in Dean’s Day Student Research Symposium
- Invite faculty to serve on Qualifying Examination committee; submit committee to Noel Harrie
- Schedule date of Qualifying Examination for Spring or Summer semester
- Discuss Spring [Student Evaluation Form](#) with Mentor
- Revisit and update Individualized Develop Plan: [myidp.sciencecareers.org/](#)
- Take Qualifying Exam unless scheduled for Summer

## Year 2 summer semester

- Continue dissertation research
- Participate in Summer Research in Progress (SRIP) seminar series
- Take Qualifying Exam if not already taken
Year 3+ fall and spring semesters

Coursework

☐ HUGEN 2021 Special Studies 9-15 credits

or

☐ FTDR 3999 Full-Time Dissertation Study 0 credits

electives

☐ course number elective course 0-3 credits

☐ course number elective course 0-3 credits

Research and professional development

☐ Continue dissertation research

☐ Discuss Fall Student Evaluation Form with Mentor

☐ Participate in Dean’s Day Student Research Symposium

☐ Discuss Spring Student Evaluation Form with Mentor

☐ Revisit and update Individualized Develop Plan: myidp.sciencecareers.org/

Year 3+ summer semester

☐ Continue dissertation research

☐ Participate in Summer Research in Progress (SRIP) seminar series

Other events and milestones

☐ Arrange Comprehensive Exam Committee and take Comprehensive Exam

☐ Arrange Dissertation Committee and hold Dissertation Committee meetings annually

☐ Schedule date and defend dissertation