

PhD in Human Genetics Program

Timeline and checklist 2021

Updated October 28, 2021

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

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

<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 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	3-6 credits

electives

<input type="checkbox"/>	course number	elective course	0-3 credits
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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

<input type="checkbox"/>	HUGEN 2011	Scientific Writing in Human Genetics	1 credit
<input type="checkbox"/>	HUGEN 2025	Human Genetics Seminar	0 credits
<input type="checkbox"/>	HUGEN 2029	Introduction to Gene Mapping	3 credits
<input type="checkbox"/>	PUBHLT 2030	Research Ethics	1 credit
<input type="checkbox"/>	HUGEN 2021	Special Studies	7-10 credits

electives

<input type="checkbox"/>	HUGEN 2071	Genomic Data Processing and Structures	3 credits
<input type="checkbox"/>	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

<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 2021	Special Studies	8-14 credits

electives

<input type="checkbox"/>	HUGEN 2051	Inborn Errors of Development	2 credits
<input type="checkbox"/>	HUGEN 2072	Genomic Data Pipelines and Tools	3 credits
<input type="checkbox"/>	HUGEN 2073	Genomic Data Visualization and Integration	3 credits
<input type="checkbox"/>	HUGEN 2080	Statistical Genetics	3 credits
<input type="checkbox"/>	course number	elective course	0-3 credits

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

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|--------------------------|---------------|------------------------------|--------------|
| <input type="checkbox"/> | HUGEN 2021 | Special Studies | 9-15 credits |
| | or | | |
| <input type="checkbox"/> | FTDR 3999 | Full-Time Dissertation Study | 0 credits |
| electives | | | |
| <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 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