

PhD in Human Genetics Program

*Timeline and checklist 2017*

Updated August 22, 2017

Year 1 fall semester

Coursework

|  |  |  |  |
| --- | --- | --- | --- |
|  | BIOST 2041 | Introduction to Statistical Methods 1 | 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 |
|  | course number | elective course | 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

|  |  |  |  |
| --- | --- | --- | --- |
|  | BIOST 2042 | Introduction to Statistical Methods 2 | 3 credits |
|  | HUGEN 2025 | Human Genetics Seminar | 0 credits |
|  | HUGEN 2028 | Human Genetics Journal Club and Peer Review | 1 credit |
|  | HUGEN 2031 | Chromosomes and Human Disease | 3 credits |
|  | HUGEN 2034 | Biochemical Genetics of Complex Disease | 3 credits |
|  | PUBHLT 2011 | Essentials of Public Health | 3 credits |
|  | PUBHLT 2022 | The Dean's Public Health Grand Rounds | 0 credits |
|  | HUGEN 2021 | Special Studies | 0-2 credits |
|  | course number | elective course | 0-2 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

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| --- | --- |
|  | 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 2039 | Introduction to Gene Mapping | 2 credits |
|  |  | or |  |
|  | HUGEN 2070 | Bioinformatics for Human Genetics | 3 credits |
|  | PUBHLT 2030 | Research Ethics | 1 credit |
|  | HUGEN 2021 | Special Studies | 8-11 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](http://publichealth.pitt.edu/human-genetics/academics/student-handbooks-forms) with Mentor |

Year 2 spring semester

Coursework

|  |  |  |  |
| --- | --- | --- | --- |
|  | HUGEN 2025 | Human Genetics Seminar | 0 credits |
|  | HUGEN 2051 | Inborn Errors of Development | 2 credits |
|  |  | or |  |
|  | HUGEN 2080 | Statistical Genetics | 3 credits |
|  | HUGEN 2021 | Special Studies | 7-13 credits |
|  | 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](http://publichealth.pitt.edu/human-genetics/academics/student-handbooks-forms) 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 unless scheduled for Spring |

Year 3+ fall and spring semesters

Coursework

|  |  |  |  |
| --- | --- | --- | --- |
|  | HUGEN 2021 | Special Studies | 9-14 credits |
|  | course number | advanced genetics course | 2-3 credits |
|  | course number | elective course | 0-3 credits |
|  | or |  |  |
|  | FTDR 3999 | Full time dissertation research | 0 credits |

Research and professional development

|  |  |  |
| --- | --- | --- |
|  | Continue dissertation research | |
|  | Discuss Fall [Student Evaluation Form](http://publichealth.pitt.edu/human-genetics/academics/student-handbooks-forms) with Mentor | |
|  | Participate in Dean’s Day Student Research Symposium | |
|  | Discuss Spring [Student Evaluation Form](http://publichealth.pitt.edu/human-genetics/academics/student-handbooks-forms) 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

|  |  |
| --- | --- |
|  | Invite faculty to serve on committee, schedule date, and take Comprehensive Exam |
|  | Hold dissertation committee approximately every six months |
|  | Schedule date and defend dissertation |