

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

|  |
| --- |
|[ ]  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 |