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## Ph.D. Program Milestones and Deliverables

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| Student name: | Year entered: | UFID: |
| Advisor Name: | | |
| Dissertation topic: | | |

**Course Work**

***Statistics Core***

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| Course | Name | Credits | Scheduled for | Grade | Date completed |
| PHC 6052 | Introduction to Biostatistical Methods | 3 | Year 1, fall |  |  |
| PHC 6053 | Regression Methods for Health and Life Sciences | 3 | Year 1, spring |  |  |
| PHC 6059 | Applied Survival Analysis | 3 | Year 2, fall |  |  |

***Foundation Core***

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| Course | Name | Credits | Scheduled for | Grade | Date completed |
| PHA 6891 | Introduction to Pharmacoepidemiology | 3 | Year 1, fall A |  |  |
| PHA 6935 | Principles of Pharmacoeconomics | 1 | Year 1, fall |  |  |
| PHC 6937 | Public Health Computing | 3 | Year 1, fall |  |  |
| HSA 6114 | Intro US Health Care System (required for students with little to no exposure) | 3 | Year 1, fall or Year 2, fall |  |  |
| PHA 6265 | Introduction to POP Research\* | 3 | Year 1, spring |  |  |
| PHA 5244/PHA 6935 | Principles of Evidence-Based Practice | 3 | Year 1, spring |  |  |
| PHC 7727 or PET 5936 | Grant Writing in Population Health (alternative is PET 5936, 3cr, Year 2, spring) | 2 or 3 | Year 2, spring or summer |  |  |
| PHA 6805 | Data Analysis and Interpretation | 3 | Year 2, fall |  |  |
| PHA 6268 | Pharmacoepidemiology and Patient Safety (Intermediate Pharmacoepidemiology) | 3 | Year 2, fall |  |  |
| PHA 6717 | Measurement in POP Research | 3 | Year 2, spring |  |  |
| ENC 5319 | Scholarly Writing for Publication | 3 | Year 2, spring |  |  |
| PHA 7807  PHA 6264 | Advanced Pharmacoepidemiology or  Pharmacoeconomics and Health Technology Assessment | 3 | Year 3 or 4 (offered every other year) |  |  |

\*Please discuss with the Intro to POP Research course coordinator mentor whether a Writing course is recommended for summer or fall term.

**College-wide coursework**

Students are required to register for the following (1 credit hour each).

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| Semester |  | Date completed |
| Year 1, Fall, Spring, Summer | Intro to Graduate Studies |  |
| Year 1, summer | Life Cycle of a Drug |  |

***Specialty and supplemental courses (at least 12 hours required)***

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| Course | Name | Credits | Scheduled for | Grade | Date completed |
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**POP Research Seminar Series and Weekend Seminars**

Students are required to register for Seminar each summer semester (PHA 6938, 1 credit hour) and are expected to fully participate until graduation. There may be instances in which a student will not register for Seminar (discuss with Grad Coordinator), but even in such cases, the student is expected to participate in Seminar until graduation.

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| Semester | Activity (attended regularly with only excused absences; presented – provide title) | Date presentation completed |
| Year 1, fall/spring |  |  |
| Year 2, fall/spring |  |  |
| Year3, fall/spring |  |  |
| Year 4, fall/spring |  |  |
| Year 5, fall/spring |  |  |
| Year 6, fall/spring |  |  |
|  | Weekend seminars (attend at least 2 in the first 3 years, but must attend a weekend seminar during year 2 of the program) |  |
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**POP Journal Club Series**

Students are required to register for Journal Club each summer semester (PHA 7900 Journal Club in Pharmaceutical Research 1 credit hour) and are expected to fully participate until graduation. There may be instances in which a student will not register for Journal Club (discuss with Grad Program Director), but even in such cases, the student is expected to participate in Journal Club until graduation.

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| Semester | Session chaired (provide topic area and co-presenter) | Date completed |
| Year 1, fall/spring |  |  |
| Year 2, fall/spring |  |  |
| Year 3, fall/spring |  |  |
| Year 4, fall/spring |  |  |
| Year 5, fall/spring |  |  |
| Year 6, fall/spring |  |  |

**Independent Research (should begin in year 1, fall) Note: expected to engage in research activity every term (with exception of Fall year 1) whether or not one is registered for an independent study course**

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| Topic, Objectives | Semester | Faculty | Course # (if applicable) | Credits (if applicable) | Date objectives completed |
|  | Yr 1, fall |  |  |  |  |
|  | Yr 1, spr |  |  |  |  |
|  | Yr 1, sum |  |  |  |  |
|  | Yr 2, fall |  |  |  |  |
|  | Yr 2, spr |  |  |  |  |
|  | Yr 2, sum |  |  |  |  |
|  | Yr 3, fall |  |  |  |  |
|  | Yr 3, spr |  |  |  |  |
|  | Yr 3, sum |  |  |  |  |
|  | Yr 4, fall |  |  |  |  |
|  | Yr 4, spr |  |  |  |  |
|  | Yr 4, sum |  |  |  |  |
| Add rows as needed for subsequent terms |  |  |  |  |  |

**Other Deliverables**

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|  | Scheduled for | Date Completed |
| **HIPAA/Research Ethics Training** (print out certification and provide to HR for filing) | Year 1, fall |  |
| **Manuscript Review** (identify faculty to participate in manuscript review)  2 reviews must be completed before the preliminary exam | Before the preliminary exam |  |
| **Preliminary Exam** | Year 2, end of Spring term |  |
| **College Research Showcase**  Submission for poster presentation  Submission for oral presentation | Year 2, spring  Year 3, spring |  |
| **SAS training**  Complete SAS training in preparation for SAS entry exam in Data Analysis & Interpretation. Students are encouraged to complete SAS certification and the cost for initial certification will be paid by the department if complete in year 1 of the program | Year 1, spring and summer terms |  |

**Presentations** (Ph.D. students must have either given a presentation or have their research accepted for an upcoming presentation at a professional meeting before sitting for the **preliminary** examination)

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| Title | Venue | Date presented |
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**Manuscripts** (Two manuscripts submitted before the **written qualifying exam** with one as first author and second with no requirement for rank in authorship; before the **dissertation defense**, at least one manuscript draft based on the research suitable for submission to a peer-reviewed journal.

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| Title | Citation | Date accepted |
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**Funding applications for grants or fellowships** (at least one application for funding must be submitted before the **written qualifying exam or within 2 months of passing the written qualifying exam to permit funding to be available at the time when one passes the oral qualifying exam**). Required for consideration for funding for 5th year, if necessary.

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| Title | Funding agency | Date submitted | Funding decision |
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**Leadership and Service**

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| Title | Organization | Years |
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**Awards & Honors**

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**Dissertation**

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|  | Scheduled for | Date Completed |
| Visit each graduate faculty member to learn about her or his research interests | Year 1, fall |  |
| Discuss specialization and research interests with as many faculty as possible to help refine research focus | By midpoint of Spring, Year 1 |  |
| Present choice for specialization and preliminary research questions/interests to advisor and discuss next steps | Year 1, spring |  |
| Confirm major advisor and two additional supervisory committee members with Graduate Program Office by completing Supervisory Committee Form. (Note that the supervisory committee must eventually include at least four Graduate Faculty members with one of those serving in the role of External Member. The External Member need not be identified by the end of the student’s second semester.) | Year 1, spring | List faculty members here: |
| Confirm entire supervisory committee (including External Member) and update Supervisory Committee Form Major advisor:  Dept faculty member:  Third member:  External member: | Year 2, summer |  |
| Committee meetings /activities (at least one committee meeting each year required)   1. Approve a final plan of study 2. Review and approve dissertation topic area 3. Discuss and schedule written qualifying exam 4. Grant Application Submission for Extramural funding 5. Written qualifying exam (includes R36-like dissertation question) 6. Dissertation proposal defense (i.e., oral qualifying exam) 7. Dissertation defense | No later than Year 2, summer  No later than Year 2, summer  Year 2, summer or Year 3, fall  No later than Year 3, Fall  Year 3, fall or spring  Year 3 or 4  Year 4 or 5 |  |