Physics PhD Degree Requirements & Recommended Timeline

| | YEAR 1 | | YEAR 2 | | YEARS 3-5 |
|---|---|---|---|---|---|
| | **Fall (12 units)** | **Spring (12 units)** | **Fall (12 units)** | **Spring (12 units)** | |
| **CORE COURSES** | ☐ **PHYS 210 (4 units)** *Electrodynamics & Optics 1* and ☐ **PHYS 205 (4 units)** *Classical Mechanics* | ☐ **PHYS 237 (4 units)** *Quantum Mechanics 1* and ☐ **PHYS 212 (4 units)** *Statistical Mechanics* | | | ☐ **Advance to Candidacy** *by Year 3* |
| **ELECTIVES** | | | | | ☐ **PHYS Grad Elect (3-4 units)** ☐ **PHYS or NatSci/SoE Grad Elect (3-4 units)** *One elective must be outside primary research area* |
| **SEMINARS** | ☐ **PHYS 293 (1 unit)** *Physics Colloquium* | ☐ **PHYS 293 (1 unit)** *Physics Colloquium* | ☐ **PHYS 293 (1 unit)** *Physics Colloquium* | ☐ **PHYS 293 (1 unit)** *Physics Colloquium* | |
| **OTHER COURSES** | ☐ **PHYS 251 (1 unit)** *Introduction to Graduate Research* | | ☐ **QSB 294 (1 unit)** *Responsible Conduct of Research* | | |
| **RESEARCH** | ☐ **PHYS 295 (2 units)** *Graduate Research* **(1st Lab Rotation)** | ☐ **PHYS 295 (3 units)** *Graduate Research* **(2nd Lab Rotation)** | ☐ **PHYS 295 (6-7 units)** *Graduate Research* | ☐ **PHYS 295 (7-8 units)** *Graduate Research* | ☐ **PHYS 295 (12 units)** *Graduate Research (each semester)* |
| **TIMELINE FOR ADDITIONAL REQUIREMENTS** | ☐ **Select Advisor** *by end of 1st year* ☐ **TA Assignment** *must serve at least one semester* ☐ **Pass Preliminary Exam (offered twice annually)** *must pass by end of 4th semester, attempt in the incoming semester is strongly recommended* | | ☐ **Begin holding Annual Meetings with Committee** ☐ **Pass Qualifying Exam** *may attempt a total of 2 times, must pass by end of 3rd year* ☐ **Assemble Committee** *by 3rd semester* | | ☐ **Publish peer-reviewed manuscript(s) and/or Present work at scientific conference(s)** *recommended but not required* ☐ **Apply for Graduation** ☐ **Pass Dissertation Defense** ☐ **Submit Manuscript** |

Student Name

Date

Last reviewed 5/4/2021