# Timeline of Graduate Studies

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**August 2014:** Begin graduate studies including graduate coursework. Assume position of Teaching Assistant for 2014-2015 academic year.

**May 2015:** Begin work as a graduate Research Assistant with Dr. Benjamin P. Brown.

**September 2015:** Start of proposed funding from NESSF.

**Fall 2015:** Build initial dynamo models with and without tachocline.

**January 2016:** (1) Complete first departmental qualifier for PhD candidacy, "COMPS I", a comprehensive test over five core courses: Atomic & Molecular Processes, Mathematical Methods, Fluid Mechanics, Observations & Statistics, and Radiative Processes. (2) Begin assessing the tachocline's role in setting cycle periods.

**May 2016:** Complete graduate courses. Further time in the department will be devoted entirely to research.

**Fall 2016:** Write and publish a peer-reviewed article regarding the tachocline's role in the production and sustenance of the solar dynamo.

**December 2016:** Complete second departmental qualifier for PhD candidacy, "COMPS II", a defense of completed research. If successful, move on to PhD candidacy.

**Spring 2017:** Build dynamo models which include the solar photosphere. Begin development of post-processing techniques to create simulated observables.

**Summer 2017:** Create simulated observables which parallel data taken by the Solar Dynamics Observatory (SDO) and the future Solar Orbiter.

**Fall 2017-Spring 2018:** Analyze simulated observables, comparing them to current SDO data and predicting phenomena that the Solar Orbiter will observe.

**Summer 2018:** Write and publish a peer-reviewed article covering findings and predictions informed by simulated observables.

**August 2018:** Completion of proposed funding from NESSF.

**May 2019:** Anticipated graduation date.