Teaching and Mentoring Statement. Write 2-3 pages, single spaced narrative that includes:

- **Teaching**
  - A personal vision for teaching and learning.
  - A description of teaching strategies or approaches for which you received training or have implemented.
  - Justification for those strategies, focusing on evidence-based practice, highlighting how to achieve an effective learning environment for all students regardless of their backgrounds, expectations, and needs.

- **Mentoring**
  - Your mentoring philosophy
  - Describe previous mentoring training and/or experience
  - State mentoring skills you consider fundamental, including those necessary to effectively mentor students with different cultural backgrounds and those belonging to groups identified by NSF as historically underrepresented in STEM.

Research Statement. Write 3-5 pages (including figures and references), single spaced narrative that includes:

- Your research questions and their importance; how your research contributes to your field
- Research plan and future research directions
- Identify potential collaborations and funding sources
- Broader impacts of your research (the potential to benefit society and contribute to the achievement of specific, desired societal outcomes)
- Plan for student engagement in your research program including efforts to broaden participation of groups identified by NSF as historically underrepresented in STEM
- If your research examines the intersectionality of engineering and social inequities, please explain how.