Instructions for Application Materials

• **Teaching Statement.** Write a 1-2 pages narrative that includes:
  o A personal vision for teaching and learning.
  o A description of teaching strategies or approaches that you have implemented or plan to implement. Focus on approaches that seek to incorporate design for equity in the educational process.
  o 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.

• **Research Statement.** Write a 2-3 pages narrative that includes:
  o Your research questions and their importance; how your research contributes to your field. Address how your research may have addressed elements of design equity.
  o Research plan and future research directions. Explain how your research will address bias and inequity in computational and/or physical aspects of engineering design.
  o Identify potential collaborations and funding sources.
  o Broader impacts of your research (the potential to benefit society and contribute to the achievement of specific, desired societal outcomes)
  o Plan for student engagement in your research program including efforts to broaden participation of groups identified by NSF as historically underrepresented in STEM

• **Mentoring Statement.** Write a 1-2 pages narrative that includes:
  o Your mentoring philosophy
  o Previous mentoring training and/or experience
  o 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.