

USD ENGINEERING PROGRAM OUTCOMES ADDRESSED BY EEE 171

<div style="display: flex; justify-content: space-between;"> Learning Objectives Program Outcomes </div>	Students will be able to apply the underlying theories of electric and magnetic fields to electromagnetic transmission systems	Students will be able to apply the principles of electromagnetic theory to high speed digital, radio frequency, and microwave circuits	Students will be able to apply the principles of electromagnetic theory to antenna design.	Students will be able to augment their designs of electromagnetic components and assemblies using advanced simulation tools
Be able to communicate with people within and outside of their engineering discipline.				
Have shown the capacity to work effectively on teams.				
Have shown the ability to continue to develop technical and professional skills in their chosen areas of expertise.	✓	✓	✓	✓
Know how to apply the techniques, skills, and modern engineering tools necessary for engineering practice.	✓	✓	✓	✓
Design and conduct experiments, as well as analyze and interpret data.	✓	✓	✓	✓
Be able to develop feasible solutions to a broad range of problems in their field.	✓	✓	✓	✓
Know how to design a system, component, or process to meet desired needs.	✓	✓	✓	✓
Know how to critically evaluate the efficacy of their work.	✓	✓	✓	✓
Understand their ethical and professional responsibilities.				
Have acquired the broad education necessary to understand the impact of engineering solutions in a global and societal context				