Samueli School of Engineering
Mechanical and Aerospace Engineering

Core Knowledge. Students will be able to:
• Demonstrate general knowledge of core topics and theory in their focus area necessary for professional practice and/or scholarly research.

Pedagogy. Students will be able to:
• Communicate effectively to large and small groups in pedagogical settings in lecture and/or discussion formats.

Scholarly Communication. Students will be able to:
• Structure a coherent academic argument that rigorously presents and evaluates research data.
• Make clear and cogent presentations, and professional documents that summarize their research and its significance. Independent

Research. Students will be able to:
• Develop independent research projects that demonstrate theoretical and methodological rigor.