1. Articulates research problems, potentials, and limits with respect to theory, knowledge, or practice within industrial and systems engineering.

2. Formulates ideas, concepts, designs, and/or techniques beyond the current boundaries of knowledge within the industrial and systems engineering.

3. Creates research, scholarship, or performance that makes a substantive contribution to the industrial and systems engineering field.

4. Demonstrates breadth within their learning experiences.

5. Advances contributions of the field of industrial and systems engineering to society.

6. Communicates complex ideas in a clear and understandable manner to variety of audience.

7. Fosters ethical and professional conduct.