1. Articulate research problems, potentials, and limits with respect to theory, knowledge, or practice within the field of environmental chemistry and technology.

2. Formulate ideas, concepts, and/or techniques beyond the current boundaries of knowledge in environmental chemistry and technology.

3. Create research or scholarship that makes a substantive contribution.

4. Demonstrate breadth within their learning experiences.

5. Advance contributions to the field of environmental chemistry.

6. Communicate complex ideas in a clear and understandable manner.

7. Fosters ethical and professional conduct.