1. Articulates research problems, potentials, and limits with respect to knowledge within the field of plant breeding and plant genetics.

2. Formulates ideas, concepts, designs, and/or techniques beyond the current boundaries of knowledge within the field of plant breeding and plant genetics.

3. Creates research that makes a substantive contribution to the field of plant breeding and plant genetics.

4. Communicates complex ideas in a clear and understandable manner.

5. Recognizes and applies principles of ethical and professional conduct.