1. Specialized knowledge in theoretical and applied communication of science and technology, along with an education broad enough to meet the challenges of changing careers and opportunities.

2. The ability to think critically and creatively: to synthesize, analyze, and integrate ideas for decision making and problem solving.

3. The ability to communicate effectively across media and a broad range of audiences.

4. A global perspective; an appreciation for the interdependencies among individuals and their workplaces, communities, environments, and world; and an understanding of the interrelationships between science and society.

5. The ability to work with others in small or large groups, to recognize civic and social responsibilities, and to appreciate the uses of public policy in a democracy.

6. A respect for truth, a tolerance for diverse views, and a strong sense of personal and professional ethics.