

Revised Program Educational Objectives for Ceramic Engineering:

Approved by the Ceramic Engineering Faculty: Spring, 2011.

1. The graduates of our Ceramic Engineering program function as engineers in the field of ceramics or material science, serving the ceramic and related industries and academia, with the tools necessary to sustain a long and productive career in the field.
2. The graduates of our Ceramic Engineering program are innovators in the field of ceramic engineering, and related materials fields, and bring their background and hands-on experience to problem solving and the development of efficient and sustainable manufacturing practices.
3. The graduates of our Ceramic Engineering program appropriately treat, evaluate, and interpret data generated in manufacturing processes (such as process control and loss data) or from experimental results, through statistical analysis, data presentation, etc., for the purposes of understanding trends, making predictions, and communicating effectively in the workplace.
4. The graduates of our Ceramic Engineering program bring expertise and management skills to their careers in industry or academia and relate science and technology to a wide range of technical fields, for the improvement of the quality of life.

Previous Program Educational Objectives for Ceramic Engineering:

As approved on December 7 2006 these are the revised Ceramic Engineering Program Educational Objectives:

1. Graduates of the Ceramic Engineering Program will be materials engineers whose focus is on ceramic materials.
2. Graduates of the Ceramic Engineering Program will both understand the principles of engineering and can undertake the practice of producing and characterizing engineered ceramic materials.
3. Graduates of the Ceramic Engineering Program will be able to operate as engineers or managers in the field of ceramic materials and related industries, or in academia.