Program Objectives:
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. (approved 12/7/06)

Humanities/Social Sciences: At least one humanities/social sciences course meeting the General Education Requirements must be selected from three of the following discipline areas: 1. Literature (A), Philosophy or Religion (B); 2. The Arts (C); 3. Historical Studies (D); 4. Social Sciences (E); 5. Foreign Language (II) (note: at the introductory level, a student must take the two-semester introductory sequence in a language, or its equivalent, in order to meet the requirement). Additional courses in the five discipline areas (with or without a letter designation), and ENGR 110 may be used to meet the 20 credit minimum for Humanities and Social Sciences (Courses that meet Quantitative Reasoning III do not count towards the Humanities/Social Science Requirement.)

Written Communication Requirement: Students must demonstrate proficiency in written communication by a) successfully completing ENGL 101 and ENGR 110 for a score ≥500 on the SAT Verbal, OR ≥500 on the SAT II Writing Subject Test, OR ≥26 on the ACT. Students are exempted from ENGL 101 for a score ≥740 on the SAT Verbal, OR ≥700 on the SAT II Writing Subject Test, OR ≥30 on the ACT, i.e., they have satisfied the written communication requirement. ENGL 101 is not included in the total degree credits.

TECHNICAL (19 hrs.) HUMANITIES (20 hrs.)

Ceramic Eng. Electives (06) ____________________________ Students in Ceramic Engineering MUST complete AT LEAST 6 CREDITS from the following list

Technical Electives (13) ____________________________

Technical Engineering Restricted Technical Elective Choices

Minimum GPA for engineering courses and technical electives is 2.00.

TOTAL (HRS.) TOTAL (HRS.)
Mathematics 17 Technical Elect. 19
Chemistry 8 Humanities Elect. 20
Physics 8
CEMS/ENGR 61 TOTAL 133+PE

Technical Electives include 300 and 400 level courses in CEMS, ELEC, ENGR, MECH, CHEM, PHYS, MATH. One of FIN 348 or MGMT 328 may be used as a technical elective.

Effective Fall 2004
Revised Fall 2006
Revised Spring 2007