ADVANCED ENGINEERING CERAMICS CERTIFICATE

The Advanced Engineering Ceramics certificate enables students to specialize in modern approaches to the analysis of technical ceramic materials. It also helps students from other disciplines enhance their degree by including a dedicated knowledge of a specific material class.

About this Program

- **College:** Herbert Wertheim College of Engineering (http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/)
- **Credits:** 10 | Completed with minimum grades of C

Certificates must contain at least nine credits of coursework that are unique to that program out of all other certificates and minors.

Department Information

The Department of Materials Science and Engineering strives to serve the scientific and engineering community of the state and nation by providing quality education in the field, conducting basic and applied research to enhance science in the field, and supplying short courses, technology transfer, industrial consulting, and distance learning to promote engineering in the field.
Website (https://mse.ufl.edu/)

CONTACT

Email (mkt@warrington.ufl.edu) | 352.846.3300 (tel) | 352.392.7219 (fax)

P.O. Box 116400
549 Gale Lemerand Drive
RHINES HALL
GAINESVILLE FL 32611-6400
Map (http://campusmap.ufl.edu/#/index/0184)

Curriculum

- Advanced Engineering Ceramics Certificate
- Biomaterials Certificate
- Combination Degrees
- Materials Science and Engineering
- Materials Science and Engineering Minor
- Metallurgical Engineering Certificate
- Nuclear and Radiological Engineering Minor
- Nuclear Engineering
- Polymer Science and Engineering Certificate
- Semiconductor Materials Certificate

Upon completion of the certificate, students will have a fundamental basis for designing and analyzing structures and components made of advanced technical ceramic materials.

Prerequisite Courses

Code	Title	Credits
CHM 2045	General Chemistry 1	3
or CHM 2095	Chemistry for Engineers 1	
EMA 3010	Materials	3
EMA 3050	Introduction to Inorganic Materials	3

Required Courses

Code	Title	Credits
EMA 4144	Physical Ceramics 1	3
EMA 4145	Physical Ceramics 2	3
EMA 4645	Processing of Ceramic Materials	3
EMA 4041L	Advanced Ceramics Laboratory 1	1
Total Credits		**10**