

MME 4195
Senior Professional Orientation

1. Title of Course: MME 4195, Senior Professional Orientation
2. Catalog Description: Introduction to the engineering profession with emphasis on job placement, professional ethics, and the engineering field exam. Required for all undergraduate students prior to graduation.
3. Prerequisites: Senior standing or approval of the instructor.
4. Textbook: *None*
5. Course Objectives: After completing this course, student should be able to:
 - 1) Write an effective and professional business letter
 - 2) Write an effective cover letter and resume
 - 3) Understand how to acquire professional employment through Career Services, the Internet, networking and other resources
 - 4) Understand the requirements and opportunities in continuing and post-graduate education
 - 5) Understand the issues associated with transitioning from college to the professional world
 - 6) Understand the process and requirements for professional engineering licensing
 - 7) Be aware of some of the engineering ethics issues faced by professional engineers
 - 8) Be able to discuss openly ethical issues with other students or engineers
 - 9) Understand fundamental financial planning strategies
 - 10) Explore non-traditional employment opportunities in consulting engineering, law, dentistry, business and medicine
 - 11) Perform a MME program critique based on your educational experiences at UTEP
6. Topics covered: Cover letters, resumes, and portfolios, career opportunities and how to obtain employment, graduate and continuing education, professional licensing, survival in the “real world,” engineering ethics case studies, program review and departmental critique.
7. Class/Laboratory Schedule: Class: one 50-minute session per week
8. Contribution of course to meeting the professional component: This course contributes to professional engineering development.
9. Relationship to Program Objectives: Course contains topics fundamental to the development of a professional engineer. Contributes to Program educational objectives 1-4.
10. Prepared by: Stephen W. Stafford, August 2016