

1. MME 4195 Senior Professional Orientation
2. 1 credit & 1 hour per week
3. Stephen W. Stafford
4. No textbook required
5. Specific course information
  - a. Introduction to the engineering profession with emphasis on job placement, professional ethics & the engineering field exam.
  - b. Senior standing
  - c. Required course
6. Specific goals for the course
  - a. Learning outcomes
    - Write an effective cover letter & resume
    - Write professional correspondence
    - Understand how to acquire employment via Career Services, career fairs, internet & networking
    - Understand the requirements & opportunities in continuing and post-graduate education
    - Understand the issues associated with transitioning from college to the professional world
    - Understand the process & requirements of professional engineering licensing
    - Understand some of the various engineering ethic issues presented in case studies in the class & be able to discuss them in an open forum
    - Understand the fundamental financial planning strategies to achieve financial security
    - Write a critique of the MMBME Department based on your educational experiences
  - b. Student outcomes addressed by the course
    - an ability to communicate effectively with a range of audiences
    - an ability to recognize ethical & professional responsibilities in engineering situations & make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental & societal contexts
    - an ability to function effectively on a team whose members together provide leadership, create a collaborative & inclusive environment, establish goals, plan tasks & meet objectives
7. Brief list of topics to be covered
  - Cover letters & professional correspondence, resumes, & portfolios
  - Career opportunities & how to obtain employment
  - Graduate & continuing education

- Professional licensing
- Survival in the “real world”
- Engineering ethics case studies
- Financial planning & security
- Program review & department critique