

ASU 101-FSE The ASU Experience

Course Description

ASU 101 (FSE) is a required, one-credit course offered in sections capped at 19 and designed to introduce students to engineering as a profession, provide students with the necessary study skills to be successful in engineering and to familiarize students with the opportunities available to them in the engineering school.

Example of a possible text: Engineering Success, third edition, Peter Schiavone, Pearson Prentice Hall,

<http://www.pearsonhighered.com/educator/academic/product/0,3110,0136130534,00.html>

Learning Outcomes (Required)

1. Understand the ethical issues and judicial policies surrounding academic integrity including those identified in the ASU Student Academic Integrity Policy. Specifically, you should be able to:
 - a) Differentiate between instances of academic honesty and dishonesty
 - b) List potential consequences of academically dishonest behavior
2. Understand Engineering Career Perspectives. Specifically, you will be able to:
 - a) Identify career opportunities in at least 2 areas of interest
 - b) Explore career education, career advising, and experiential learning opportunities
3. Enhance skills to support academic success.
 - a) Improve study skills, test-taking skills, note-taking skills, time management, stress management.
 - b) Identify teaching styles and employ practices to facilitate classroom success
 - c) Identify and apply 'best practices' from upper classmen and faculty
 - d) Demonstrate effective use of ASU e-mail and blackboard
4. Increase awareness of college and campus resources. Specifically you should be able to:
 - a) Recognize or identify the need for a resource.
 - b) Find relevant information (website, location, phone number) and become knowledgeable of college and campus Resources.
 - c) Identify at least 2 resources for Tutoring including the Engineering Tutor Center
 - d) Identify at least 2 resources for Scholarships including Engineering Scholarships

Learning Outcomes (Required in ASU 101-FSE and/or Intro to Engineering Course)

5. Learn how to effectively participate in a team.
 - a) Identify the role/function of a team leader and a team member
 - b) Use compromise appropriately
 - c) Provide appropriate feedback to peers and instructors

6. Demonstrate effective communication skills.
 - a) Communicate on an informal basis
 - b) Communicate on a formal basis (i.g. in a presentation)
 - c) Communicate in writing (e.g. in reports, e-mail, notes)
7. ‘Fulton-ize’ student: Through community building, friends, and study partners students will learn to take pride in being an Fulton Engineer (it’s worth it...I’m glad that I’m here...I’ll work hard and it’s worth it). Write a reflective essay at end of term.

Learning Outcomes (Optional, but encouraged)

8. Understand the curriculum and navigation tools. Specifically you should:
 - a) Locate the eAdvisor tools and demonstrate successful navigation within the tool
 - b) Review Major Maps and the critical requirements for your chosen degree program
 - Review Degree Audit Reporting System reports to track progress toward completion of critical requirements and progress toward graduation
 - Utilize Degree Search function in e-Advisor if interested in learning more about current program, or considering changing to another degree program, or pursuing a minor or certificate.
9. Understand the importance of being globally and locally engaged. Specifically, you should be able to:
 - a) Explain the reasons why it is important to be globally aware and engaged
 - b) Explain the benefits of global engagement in engineering
 - c) Discover ways you can increase your global awareness and engagement while at ASU
 - d) Demonstrate/discuss examples of engineering impact on society (real-work contexts)
10. Understand the concept of entrepreneurship and its many applications for engineering. Specifically, you should be able to:
 - a) Provide a clear definition of entrepreneurship
 - b) Clarify its close links to being proactive, innovation and creative
 - c) Identify the application of entrepreneurship to your education and life
11. Become knowledgeable of campus engagement opportunities (College and University clubs, organizations, etc).
 - a) Identify at least 3 student organizations of interest in the School of Engineering
 - b) Identify at least 2 university clubs or organizations of interest
12. Instructor’s Choice of topics

Provide activities that allow student to “do”. Share your enthusiasm for Engineering and engage students. Encourage students to take responsibility for their own learning. Use the in class sessions to build excitement and commitment. Build bonds among the students.