**GE 105 Introduction to Engineering Design**

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**Tutorial (2): Engineering Profession**

1. What does the ABET stand for?
2. Define the engineering profession.
3. Compare scientist and engineer, and state the difference.
4. List the elements of professionalism.
5. Is it okay for an engineer to design a building with a known potential problem? State the reasons for your answer.
6. Is it possible for an engineer who is responsible of designing the electrical system of a building to escape punishment if an electrical problem has occurred in a building and caused injuries? State the reasons for your answer.
7. What is the difference between a profession (line of work trained for) and occupation (job)?
8. Is it possible to be a professional if you don’t have a BS degree? Why?
9. What does the engineer do?
10. Does the engineer have to consider the safety and reliability of a product during design or service? Give some examples to support your answer in the field of:
    1. Car design
    2. Highway design
    3. Plant design