

ENGR 196A
Survival and Success Skills for Freshmen Engineers
Fall 2004
University of Arizona

Due 11-29-04

There are a lot of resources on campus that will help you during your career here at the University of Arizona. The purpose of this project is to have you learn how to use some of the tools that are here or available elsewhere. Find the following information and describe the tools/paths you used to find them. Credit will only be given if a clear path for finding the information is given.

- 1) What is the call number for the CRC Handbook of Chemistry and Physics in the U of A library?
- 2) What is the boiling point of carbon tetrachloride at 1 atm?
- 3) Name a good source of information about the GRE exam?
- 4) Restate Rolle's theorem?
- 5) Who would you see in the career placement office for help developing a resume?
- 6) Name three specific sources of scholarships at the U.
- 7) Name the heads of three of the engineering departments.
- 8) Describe the research of one professor that interests you within your future department or another department, and who they are.
- 9) What is the tensile strength of steel?
- 10) Approximately how many faculty at the U of A are involved with materials research?
- 11) Who wrote The Age of Missing Information?
- 12) What textbook is used in the first engineering class you will take in your major?
- 13) How many students are in engineering at the U?
- 14) What percent of our graduates got jobs within engineering last year?
- 15) Who has cited a paper Dr. Blowers wrote in the Journal of Catalysis with R. Masel, L. Ford, and H. L. Nigg other than one of the authors?
- 16) Who would you talk to in the Honors College about your senior thesis requirements?
- 17) Name three good sources of technical books you can find online.
- 18) How many credits do you need total to graduate?
- 19) What is the heat of formation of ethyl amine?

- 20) How far is it between the earth and the moon?
- 21) What are the hours of the planetarium on campus?
- 22) How would I get from O'Hare airport in Chicago to see a Cubs game if I were driving by car?
- 23) Dr. Blowers grew up in Mancelona, MI. What address do his parents live at in this town?
- 24) Who invented the Coney Island hotdog in New York? (His first name was Joseph...)
- 25) Name five technical journals carried in our library that deal with bridges.
- 26) What is the mass of an electron?
- 27) What is the average starting salary last year for mechanical engineers?
- 28) How many astronauts have attended University of Arizona for some part of their education and who are they?
- 29) How many companies recruited at U of A for engineers this year? Which companies stand out as being the oddest ones?
- 30) What engineering discipline uses the Norton and the Thevenin equivalent representations?
- 31) What is a t-distribution?
- 32) How do you move a file from a general site to your account at the U of A?
- 33) What command do you use in Unix to get rid of a file you no longer want?
- 34) What command do you use in DOS to get rid of a file you no longer want?
- 35) Name two text editors you can use in Unix to edit files.
- 36) How many students within engineering are part of the Honors Program?
- 37) How do you fit a third order polynomial to experimental data in Excel?
- 38) What does the right mouse button let you do in Word?
- 39) Name two companies you might be able to work at with an engineering degree here in Tucson.
- 40) What courses in mechanical engineering use a computer aided drawing tool?