

Investigating Engineering at the Post secondary Level

Scavenger Hunt

Using this website <http://www.engineeringk12.org/> go to the student section and under the pull down menu click on college search. Then you can navigate through that using the states pull down menu and pick a college that has an engineering field that interests you and find the following information. **You need to do this for two different colleges.**

1. Record the name of the university and the name of the degree program.
2. How many semester hours are dedicated to general education courses (Note 2 semester hours = 3 quarter hours).
3. List any course requirements that relate to engineering (e.g. Technology & Society, Engineering Ethics, etc.) Provide the title of the course and the number of credits.
4. How many semester credits of mathematics are required?
5. How many semester credits of science are required?
6. How many credits are required within the engineering specialty?
7. What other requirements are there for graduation? (internship, foreign language, etc).
8. How many semester hours are required to graduate with a baccalaureate degree?
9. Assuming one has all required high school courses, can this degree be completed in four years? (Normally 16 credits per semester is considered a full load x 8 semester = 128 credits.)
10. What were some of the unique elements that you find interesting or unusual.
11. Did you find any differences between engineering and engineering technology programs?
12. Summarize you findings in a narrative of one to three paragraphs.
13. Be sure to give me a link to the college's web page where you found your information.

ETP 2005 – Brian Vance

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Suggestions for Revision

The goal of the grant is to provide a data bank of resources for other teachers throughout the state options for presenting materials and student assignments. So, the suggestions below are to help create those materials.

1. Identify the standard/s and benchmarks being addressed by this task.
2. Provide some student resource suggestions rather than just leaving it wide open. Ultimately, some students will need some help getting started.

Remember, after you have made the revisions, this material is supposed to be ready for national dissemination. Make sure it is as clean as possible. No spelling errors, formatting, and also punctuation.