

**Lab: CAREER PROJECT**

**Students: Please read the following information given below, and then come to class on your lab day with the following already prepared in your notebooks:**

- 1) Date, 2) Title, 3) Purpose, 4) Materials, 5) Safety, 6) Procedures, and
- 7) Data Table



**In this lab, you will be required to make up your own data table. Carefully read the information below to aid you in composing your data table. There is nothing to print out. This lab requires a written formal report (not lab report) that contains all of the information you collected in a nicely typed, double-spaced paper and a one-page (two sided) handout that quickly and neatly organizes all the information that was collected.**

**INVESTIGATING SCIENCE COURSE CURRICULUMS AT VARIOUS COLLEGES**

Now is the time to start thinking about which colleges you would like to apply to next year and possibly which major you are interested in studying. Since this is a science class, you will individually investigate one specific science curriculum (major) at two different colleges (1 in-state/1 elsewhere). (See page 2 for ideas). Come to class with three major choices written in your lab notebooks. On lab day, you should choose one and you will then compare the one specific course curriculum at two different colleges or universities.

**INFORMATION TO COLLECT FOR TWO DIFFERENT SCHOOLS:**

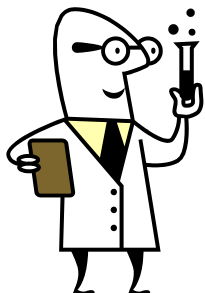
1. Identify the type of college or university (state or private).
2. Identify & describe the locations of the 2 colleges or universities (city, state, areas).
3. Identify the sequence of courses required for graduation (1<sup>st</sup> year, 2<sup>nd</sup> year, etc.). This will be challenging to locate. It might be necessary to call the school and speak with a dean or someone that can assist with telling you what courses you should take **each** year.
4. Information regarding your specific major. (Description/Job-opportunities)
5. Total credits needed for graduation (undergraduate-bachelor's degree)/(major area).
6. Calculate the costs for each year and then total cost for schooling needed for degree, both for in state and out of state (include: tuition, room & board, meal plans, transportation).
7. Identify special interests (minors, sports, clubs, community events, activities on campus).
8. Identify multicultural events or classes that can be taken. (required or not required)
9. Identify any prestigious achievements of the college. (History making events)
10. If you were accepted to both schools, which one would you choose and why (what about the school attracted you to select it)? (Compose a letter to the dean of admissions).

**REPORT/HANDOUT:**

1. All of the above material must be included in a typed, double-spaced report. (Plus cover page)
2. Provide citations relevant to information about specific major and colleges found.
3. Must produce one handout containing all data collected from the 2 colleges in a 1 page (double-sided) neatly-typed outline, graphic organizer, advertisement, or tri-fold pamphlet. Use creativity and details to produce your handout.

**DUE DATE: 2 weeks after discussion in lab class (Google classroom, 2 docs, before class starts)**

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The following is a list of occupations that graduates with chemistry degrees have gone into. Knowing chemistry opens the door to a world of opportunities!!

You may choose three of the following:  
(Only one will be researched and submitted)

Agricultural Scientist	Dentist	Pediatrician
Anesthesiologist	Dermatologist	Perfumer
Anesthesiologist Assistant	Dialysis Technician	Pharmaceutical Sales Rep
Ballistics Expert	Engineer	Pharmacologist
Biochemist	Fire Protection Engineer	Physician
Brewer Lab Assistant	Flavor Chemist	Physician's Assistant
Cardiologist	Food and Drug Inspector	Quality Control Specialist
Chemical Analyst Chemist	Food Scientist Technician	Researcher
Chemist	Forensic Chemist	Sanitation Inspector
Chemist, Analytical	Genetic Engineer/Counselor	Soil Scientist
Chemist, Clinical	Geologist	Spectroscopist
Chemist, Food	Hospital Administrator	Teacher, Science
Chemist, Industrial	Hydrologist	Technical Sales
Chemist, Inorganic/Organic	Industrial Hygienist	Technical Writer
Chemist, Pharmaceutical	Lab Assistant	Technician, Fingerprint
Chemist, Physical	Lawyer, Patent	Technician, Histologic
Chemist, Police	Marine Biologist	Technician, Medical
Chemist, Pollution Control	Microbiologist	Technician, X-ray
Chemist, Polymer	Neurologist	Technician, Food
Chemist, Production	Nursing	Technologist, Hematologist
Chemist, Quality Control	Obstetrician	Toxicologist
Chemist, Research	Ophthalmologist	Veterinarian
Crime Lab Analyst	Osteopathic Physician	
Criminologist	Patent Examiner	
College Professor	Pathologist	