

Career Profile

Name: Katherine Trotter

Directions: Using the Career Cruising website and other internet sites to discover your personal interests, career choices, and educational options. The purpose of this activity is to:

1. Provide aware of the many career opportunities related to design and technical drawing skills.
2. Provide aware of the many educational requirements and skills needed to be successful in a career related to design and technical drawing.

www.careercruising.com

Username: Stevenson

Password: careers

Step #1: Create a profile

Step #2: Complete the “Career Matchmaker” assessment

Step #3: Explore one of the suggested careers or see how other careers match up with your answers.

What were 3 of the suggested careers you explored?

1. Industrial Engineering Technician
2. Industrial Designer
3. Chemical Engineer

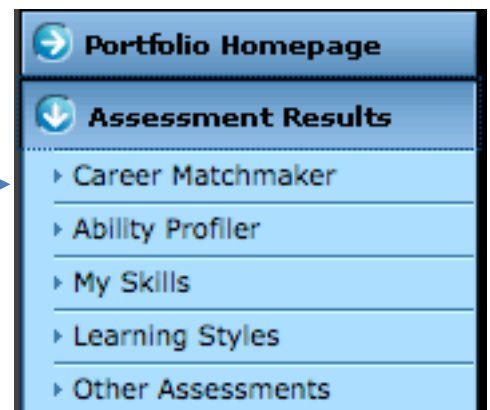
Explore a career that relates to this course (ie. Architect, aerospace, mechanical engineer, etc.) that interests you. What are 2 interesting facts that you learned about this career?

Industrial engineering technicians and engineering and drafting technicians are careers that interest me. Industrial engineers analyze and evaluate methods of production and point out ways to improve them. To become an industrial engineer, recommended coursework includes statistics, computer skills, ergonomics, management science, quality control, sociology, psychology, organizational behavior, economics, finance, labor relations and mathematics.

Choose 1 career of your choice:

What are the job responsibilities for this career?

They are primarily concerned with increasing productivity through the management of people, methods of business organization, and technology. To solve organizational, production, and related problems efficiently, industrial engineers carefully study the product requirements, use mathematical methods to meet those requirements, and design manufacturing and information systems. They develop management control



9/27/11

systems to aid in financial planning and cost analysis, and design production planning and control systems to coordinate activities and ensure product quality. They also design or improve systems for the physical distribution of goods and services, as well as determining the most efficient plant locations. Industrial engineers develop wage and salary administration systems and job evaluation programs. Many industrial engineers move into management positions because the work is closely related to the work of managers.

What educational background or training or experience is needed for this career? Industrial engineers need a bachelor's degree in industrial engineering for almost all entry level industrial engineering jobs. College graduates with degrees in a physical science or mathematics may occasionally qualify for some engineering jobs, especially in specialties in high demand.

What levels of advancement are available to a person in this career?

What is the salary range for this career?

Starting \$29,268 Average \$42,000 Top \$71,586

Step #4: Using the "Schools that Interest Me" complete the survey.



What were 3 universities/colleges that matched your career interest?

1. Southern Illinois University
2. Eastern Illinois University
3. University of Illinois

Using the Career Cruising website and other online sites, choose 1 university/college to explore:

University of Illinois

What are the graduation requirements for the major/degree you chose?
60 semester hours of work and at least a 2.0 GPA

What are the costs involved with the major/degree you chose?

Tuition \$15,732 per academic year Fees \$2,760

Room & Board \$10,080 Books \$1,200

Name at least 3 services, programs, or activities that this college/university offers that would support your pursuit for your degree in your chosen career.

1. Couldn't find on University of Illinois website
- 2.
- 3.