

# Career Profile

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**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](http://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. Orthodontist
2. Graphic Designer
3. Chef

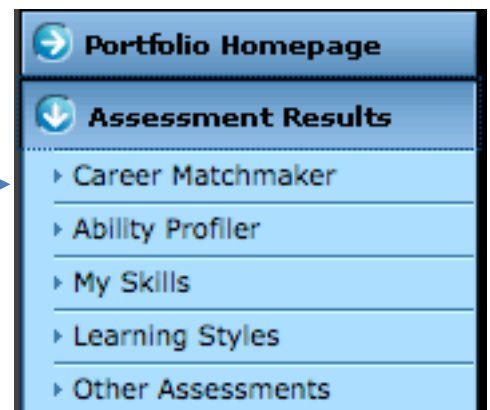
Explore a career that relates to this course (ie. Architect, aerospace, mechanical engineer, etc.) that interests you. What are 2 interesting facts that you learned about this career?

Graphic Designer

- Consult with clients about projects, audiences, and budgets
- Prepare rough drafts of designs and present them to clients for approval
- Gather or create the necessary elements, including photographs, text, and illustrations
- Use the collected elements to create a final product, such as a poster or website

**Choose 1 career of your choice:**

What are the job responsibilities for this career?



## Orthodontist

- Examine teeth visually and with x-rays, photographs, and plaster impressions
- Diagnose problems with teeth, such as crooked teeth, underbites, and overbites
- Fit braces or retainers to correct teeth
- Give advice on preventive dental care
- Supervise dental hygienists and other staff
- Most work for themselves in private practice
- Usually work 7 to 8 hours a day, 5 days a week
- Often on call when not in the office
- Performing delicate procedures can be mentally exhausting

What educational background or training or experience is needed for this career?

- A Doctor of Dental Surgery (DDS) or Doctor of Dental Medicine (DMD) degree
- A graduate degree in orthodontics
- A license to practice in your state

Sample High School Program of Study			
Grade 9	Grade 10	Grade 11	Grade 12
<b>English/Language Arts</b>			
• English/Language Arts I	• English/Language Arts II	• English/Language Arts III	• English/Language Arts IV
<b>Math</b>			
• Algebra I	• Geometry	• Algebra II	• Pre-Calculus or Calculus or Statistics
<b>Science</b>			
• Biology	• Chemistry	• Physics or Other science course	• Anatomy and Physiology
<b>Social Studies/ Sciences</b>			
• State History • Civics	• U.S. History	• World History • Sociology	• Psychology • Economics
<b>Career &amp; Technical Courses</b>			
• Health Science I: Introduction to Health Science • Information Technology Applications	• Health Science II: Health, Safety and Ethics in the Health Environment	• Health Science III: Employment in Health Occupations	• Health Science IV: Introduction to Therapeutic Services

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

<b>LEVEL 1</b>	Entry-Level General Dentist
<b>EARNINGS</b>	\$70,000 to \$150,000 a year
<b>REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>• Bachelor's degree</li> <li>• Doctor of Dental Surgery or Doctor of Dental Medicine degree</li> <li>• Completion of state licensing exams</li> </ul>
<b>RESPONSIBILITIES</b>	Doing routine check-ups on patients; educating patients about proper dental hygiene; filling cavities and performing other basic dental procedures.

<b>LEVEL 2</b>	Entry-Level Orthodontist
<b>EARNINGS</b>	\$100,000 to \$150,000 a year
<b>REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>• Completion of 2 to 3-year orthodontics program</li> <li>• Licensed to practice as an orthodontist</li> </ul>
<b>RESPONSIBILITIES</b>	Examining patients; analyzing facial photographs; deciding upon the best treatment; fitting braces, retainers, and other devices.

<b>LEVEL 3</b>	Established Orthodontist
<b>EARNINGS</b>	\$150,000 to \$450,000 a year
<b>REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>• 5 to 10 years of experience</li> <li>• A good reputation within the dental community because referrals from family dentists are important</li> </ul>
<b>RESPONSIBILITIES</b>	Examining patients; analyzing x-rays and facial photographs; deciding upon the best treatment; fitting braces, retainers, and other devices; supervising junior orthodontists; supervising staff; possibly teaching orthodontic students at college.

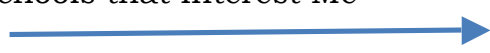
What educational background or training or experience is needed for this career?

4 year College/ university education + graduate school

What is the salary range for this career?

- \$100,000 to \$400,000 a year or more
- The median is over \$350,000 a year
- Half or more of the money made by a dental office goes to cover expenses

**Step #4:** Using the “Schools that Interest Me” complete the survey.



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

1. University of Illinois at Chicago



2. Southern Illinois University Edwardsville

3. University of Iowa

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

What are the graduation requirements for the major/degree you chose?

**Students must complete the following requirements to graduate:**

**M1: Medical Gross Anatomy, Medical Cell & Tissue Biology, Medical Biochemistry & Medical Nutrition, Introduction to Molecular Medicine & Human Genetics, Physiology I & Physiology II, Human Development, Brain & Behavior, Human Neuroanatomy, Essentials of Clinical Medicine 1-2, Fundamentals of Immunology & Microbiology**

**M2: General and Systemic Pathology, Infection and Immunity, Medical Pharmacology, Essentials of Clinical Medicine 3-4, Psychopathology, Clinical Pathophysiology**

**M3: Family Medicine: 6 Weeks, Medicine: 12 Weeks, Surgery: 8 Weeks, Pediatrics: 6 Weeks, Psychiatry: 6 Weeks, Obstetrics & Gynecology: 6 Weeks, and Essentials of Clinical Practice & Professionalism 2 Weeks. And the Essentials of Clinical Practice & Professionalism course.**

M4: The 41 weeks of clinical experiences can be sub-divided into the following categories:

- **Sub-Internship:** 4 weeks of Medicine or Pediatrics within the UIC system, or an approved **External Sub-Internship**.
- **Elective Experience:** 20 weeks of experience, all approved by the College.
- **Specialty Experience:** 17 weeks including nine specialty experiences:
  1. ● **Anesthesiology:** 2 weeks
  2. ● **Dermatology:** 2 weeks
  3. ● **Emergency Medicine:** 2 weeks
  4. ● **Neurology:** 2 weeks
  5. ● **Ophthalmology:** 1 weeks

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6. ● **Orthopaedics**: 2 weeks
7. ● **Otolaryngology**: 2 weeks
8. ● **Radiology**: 2 weeks
9. ● **Urology**: 2 weeks

● **M1**, **M2** and **M3** requirements, including **USMLE** Step I. ● **M4** clinical experiences: Forty-one weeks (41 weeks). ● **USMLE** Step II Examinations ● Graduation Competency Examination which tests procedural skills, lab interpretation and clinical problem solving using standardized patient encounters. This examination is scheduled in the Summer and you will be contacted by the **Office of Undergraduate Medical Education** with scheduling details. See Preparing for the **M4 Graduation Competency Examination** on the UIC Graham Clinical Performance Center web site.

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

Tuition \$4,857 \$60 application fee 12-15 hours

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. Sport's Club (swimming)
2. Pre med club
3. Future Doctor's of America