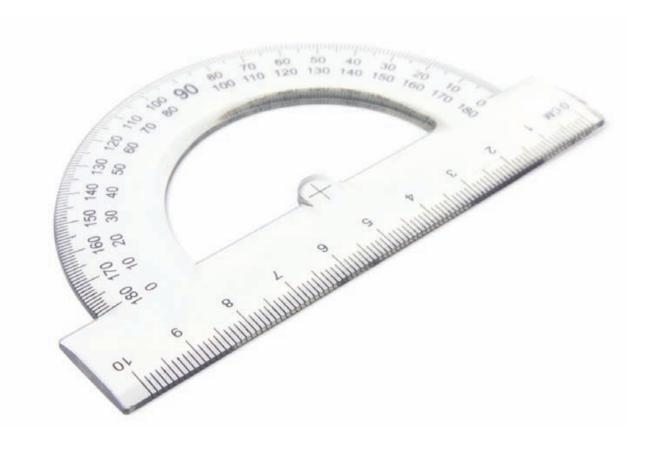
10 TIPS FOR CHOOSING THE RIGHT CAREER FOR YOU

How does a person know what career to work toward? There is no perfect answer, but the following 10 tips will get you off to a good start.

- **Get to know yourself** Complete more than one self-assessment test.
- ldentify your strengths and weaknesses What do you do well and what do you not do well?
- **Develop an inventory of careers** Write down some careers that might interest you.
- **Research different careers** Talk to others and use the Internet.
- Write the pros and cons List positives and negatives about the careers that interest you.
- Network Discuss your ideas with others.
- Talk with people who work in your area of interest Family and friends are great resources.
- **Find a mentor** Find someone with whom you can discuss your career selection.
- **Experiment** Take a related class or part-time job.
- **Don't give up** "If there is a will, there is a way."

CAREER OPPORTUNITIES IN

ENGINEERING AND DESIGN INDUSTRY SECTOR





A Partnership for Success

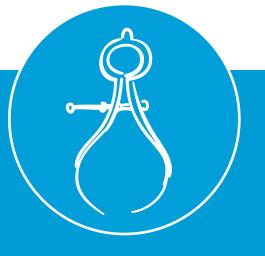
390 W. Fir Ave, Suite 300, Bldg B Clovis, CA 93611 Phone: (559) 324-6410 Fax: (559) 324-6489 This material is made pursuant to agreement number CN088139 A.2 of the California Tech Prep Distribution Point Grant. Funds were administered by the Secondary, Postsecondary, Adult Leadership Division of the California Department of Education in collaboration with the California Community College Chancellor's Office.

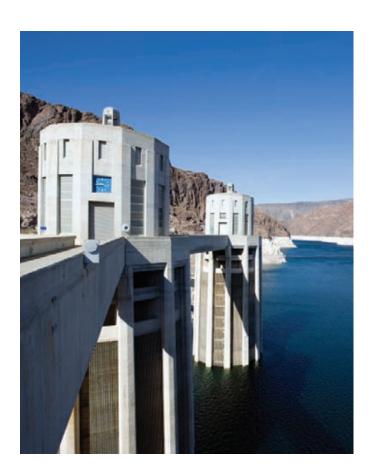
LIAMAN

Activity that is the subject of this document was supported in whole or part by the U.S. Department of Education. However, the opinions expressed herein do not necessarily reflect the position or policy of the U.S. Department of Education, and no official endorsement by the U.S. Department of Education should be inferred.

Plan For Success

Visit statecenter.com/industrysectors





The Engineering and Design Industry Sector is ideal for students who have a strong understanding of mathematics and a creative drive to design new ideas. If you are passionate about the environment and have innovative ideas for renewable energy or water treatment, or you have the next hit attraction for an amusement park in your head waiting to be designed, this sector could be your path to success. Student attributes for success in this sector include strong problem solving and analytical skills, the ability to work as part of a team, and a strong work ethic.

Web sites for further information:

www.californiacareers.info www.whodouwant2be.com www.californiacolleges.edu www.edd.ca.gov/Jobs_and_Training/

Career Pathways



Architectural and Structural **Engineering Pathway**

The Architectural and Structural Engineering Pathway provides learning opportunities for students interested in the safety, cost, design, and construction of a building. Work elements of this pathway often involve working in conjunction with an architect. Students interested in this pathway should possess artistic ability and strong mathematical skills.

CAREERS/CAREER AREAS:

- Engineering Aide
- Architect
- Drafter/Designer
- Surveyor
- Structural Engineer
- Civil Engineer
- Industrial Designer/Estimator
- Instructor



Computer Hardware, Electrical, and Networking Engineering Pathway

Careers in this pathway are highly technical and require continuing education to stay abreast of constantly changing technology. Students are introduced to the design, manufacturing, assembly, programming, and maintenance of computers and networking systems essential to telecommunications and information

technology. These pathway careers will continue to be in high demand as technological systems become increasingly intricate. Students interested in this pathway should have a desire to understand, diagnose, and create within a technological framework.

CAREERS/CAREER AREAS:

- Computer Engineer
- Electrician
- Electrical Engineer
- Computer Repair
- Computer Networking Technician
- Telecommunication Engineer
- Network Administrator



Environmental and Natural Science Engineering Pathway

If your heart is set on protecting the environment, this may be your pathway. Improving and protecting our air, land, and water is the focus of this career area. Students will be involved in the design and development of equipment, processes, and systems used to create, monitor, prevent, or correct environmental events and conditions.

CAREERS/CAREER AREAS:

- Environmental Planner
 Meteorologist
- Oceanographer
- Ecologist
- Hydrographer
- Park Naturalist
- Survey/Mapping Technician/Engineer
- Environmental, Chemical, and Civil Engineer



Engineering Design Pathway

If you like explaining ideas in a visual way, the Engineering Design Pathway may be for you. Pathway careers encompass the design and production of visual communications. Visual communication is the conveying of ideas and information in forms that can be seen. Students will learn to plan, prepare, and interpret drawings and models through traditional drafting or computer-aided techniques.

CAREERS/CAREER AREAS:

- CAD/CAM Technician
- Civil Engineer
- Drafter/Designer
- Architect
- Structural Engineer
- Software Engineer



Engineering Technology Pathway

The Engineering Technology Pathway provides learning opportunities for students interested in preparing for careers in the design, production, and maintenance of mechanical, telecommunications, electrical, electronics, and electromechanical products and systems.

CAREERS/CAREER AREAS:

- Electrician/Electronics
- Industrial Engineer/Technician
- Telecommunications Facility Construction/ Maintenance