

Engineering and Technology

Who should consider the Engineering and Technology field of study?

High school programs of study and career opportunities within the Engineering and Technology field of study are particularly well suited for students who:

- √ Enjoy assembling, designing, building, or repairing things.
- √ Enjoy working with tools and various technologies.
- √ Have the ability to work accurately and precisely.
- √ Tend to score high on **Realistic** or **Technical** scales when taking interest inventories.
- √ Are curious about the role of design and technology in our world.
- √ Are interested in education, employment, or activities after high school where they can use their analytical and technical talents and interests.

What available High School Programs of Study are related to this field of study?

The following available programs of study are related to this field of study area. For detailed information about these programs of study and how to build these into your High School and Beyond Plan, visit the Field of Study website at <http://humid.edmonds.wednet.edu/index.php/sturesources/fos>

- Audio, Video, and Film Technology
- Automotive Technology
- Biotechnology
- Broadcast Production
- Business Administration and Finance
- Carpentry and Construction Trades
- Drafting and Architectural Design
- Information Technology
- Fire Service Technology
- Mathematics and Science, Advanced
- Photography and Digital Design
- Pre-Engineering and Robotics

What Occupations are related to this field of study?

The following is a sample of occupations related to this field of study area. For detailed information about these and other occupations related to this field of study area, visit the WOIS Career Information System at www.wois.org

A sample of occupations Requiring less than a 4-years of training after High School:

Aircraft Assemblers
Automotive Service Technicians
Boat builders
Body and Fender Repairers
Boilermakers
Bricklayers and Tile Setters
Building Inspectors
Carpenters
Cement Masons
Computer Programmers
Computer Service Technicians
Database Designers and Administrators
Digital Media Specialists/Technicians
Electricians and Electronics Technicians
Engineering Technicians
Network Technicians
Plumbers and Pipefitters

A sample of Occupations requiring 4 or more years of training after High School:

Aerospace Engineers
Architects
Building Inspectors
Chemical Engineers
Civil Engineers
Computer Engineers
Construction Managers
Database Designers and Administrators
Electrical Engineers
Electricians
Industrial Engineers
Mathematicians and Statisticians
Mechanical Engineers
Network Administrators
Nuclear Engineers
Pilots and Flight Engineers
Urban and Regional Planners



