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CAREX8GRD/JADIEL

JOBS FAMILY REVIEW

3/11/22

**Jobs Family Review**

1. **manufacturing**
   1. **Power plant operator**
   2. **Radio mechanic ????**
2. **Scientific research/engineering**
   1. **Physicist??????**
   2. **Nuclear engineer???????**
3. **Architecture and construction**
   1. **boil makers?????**
   2. **Electricians??????**
4. **Manufacturing**
   1. **Power plant operator**
      * 1. **control operate or maintain machinery to generate electric power, including auxiliary equipment operators**

**A power plant operator controls the system that generates and distributes electric power**

**A distributors and dispatchers**

* + - 1. **control operate or maintain machinery or generate electric power, including axillary equipment operators**

**Control operates**

**Maintain machinery**

**Generate electric power**

* + - 1. **control operate or maintain machinery or generate electric power, including axillary equipment operators**

**Control operates**

**Maintain machinery**

**Generate electric power**

* + - 1. **Education wages & work value**

**A high school diploma the average typical wage in Pennsylvania is 76,830**

**Preparation 43,460**

**A high school diploma 105,370**

* + - 1. **Outlook and similar occupations**

**Boilermakers**

**Locomotor engineer**

* 1. **Scientific research/engineering**
     + 1. **They engineer and research science**

**Engineers apply the principle of science and mathematics to develop economic solutions to technical problems**

**They are also called incorporated engineers**

* + - 1. **These scientific researchers do a lot to teach you about their research**

**designing, undertaking, and analyzing information from controlled laboratory-based investigations, experiments, and trials.**

**They make sure that they work hard and are on time**

**They work in a laboratory and in an office**

* + - 1. **They need to have a bachelor's degree in a closely related field**

**They need to know English how to read and go to college**

**They need to know the structure of English and how to read and go to college**

**They need to know education and training like the methods of a scientific researcher**

* + - 1. **Education wages & work values**

**A bachelor's degree in a closely related field**

**They earn about 90,580$**

**The work values they need are to have good working conditions, achievement, and recognition**

* + - 1. **Outlook and similar occupations**

**In 2016, there were about 6,640 people in pa that were employed in this job**

**Som similar occupations are physicist, aerospace engineer, and nuclear engineer**

* 1. **Architecture and construction** 
     + 1. **They develop the concepts for structures and turn those concepts into images and plans**

**In architecture they teach you how to develop different things and turn into images and plans**

**They are also called artists, builders, and creators**

* + - 1. **To be able to teach people these are the things that they need:**

**They need to know their language and know how to teach**

**They also need materials so they can do whatever they want**

**And finally, they need a place to work with the people that are going to be architects.**

* + - 1. **When they are in college they need to learn about:**

**The history**

**The theory**

**The design**

* + - 1. **Education wages & work value**

**In this job you must study the history and theory of design in college**

**The annual wage of being an architect is 55,223$**

**The work values that they need are achievement, working conditions, and independence**

* + - 1. **Outlook areas similar occupations**

**In 2018 the outlook in pa was 64,440**

**Similar occupations are civil engineers, industrial designers, and construction managers**

1. **Geographers**
   1. **They study animals**

**These geographers study nature and use areas of the earth's surface**

**They are also called astrologers, political geographers, and geomorphologists**

1. **To be able to do this job you have to**

**Find a place to work there**

**Get materials**

**Find people**

* + - * 1. **Astrologer**
  1. **These geographers study the nature and use of areas of the earth's surface**

**They are also called astrologers, political geographers, and geomorphologists.**

**To be able to do this job you have to**

**Find a place to work there**

**Get materials**

**Find people**

**Education wages & work values**

**During 2010, they employed 50 people from pa**

**122,140$**

**Outlook & similar occupations**

**50 people were employed in pa**

**Some similar occupations are civil engineers, industrial designer, and construction manager**

**They need to get a diploma to be a geographer**

* + - * 1. **Electrical engineering technician**

**They design, develop, and supervise**

**They are also known as technicians.**

1. **These technicians do a lot for us**
   * 1. **They repair stuff for us**
     2. **They make sure to do it right**
     3. **They also work in offices**
2. **They need to know a lot of things to be able to fix electronics**
   1. **To work as a technician, you need a master's degree**
   2. **You also must be good at fixing electronics**
   3. **Finally, you must finish high school to be a technician**
3. **Education wages & work values**
   * 1. **They earn at least 59,610$ a year**
     2. **In 2010 there were about 50-60 people that were employed as a technician**
4. **Outlook & similar occupations**
   * 1. **They projected to grow from 6-10 percent in 2020-2021**
     2. **Similar occupations are line worker, elevator installer, and wind turbine technician**
     3. **There are also different types of technicians**
   1. **Machinists**
      1. **These people set up machinery and a variety of tools**

**They always set up operating machines**

**They are also called carpenters, engineers, and mechanics.**

* + 1. **these people set up machinery and a variety of tools**

**To be a machinist u must have a GED**

**Speaking**

**And be good at machinery**

* + 1. **Things that they need to know**

**Math**

**Design**

**Mechanical**

* + 1. **Education wages & work value**

**In 2020 the annual wage in Pennsylvania was 49,250$**

**Some similar occupations are rough carpenters, tool and die maker, and woodworking machine setters**

**Some work values they need are honor ship, trustworthy, and hard working**

* + 1. **Outlook and similar occupations**

**In 2020 the annual wage in Pennsylvania was 49,250$**

**Some similar occupations are rough carpenters, tool and die maker, and woodworking machine setters**