

Scholarship

Skilled Trades and STEM (Science, Technology, Engineering and Math)

Made Possible by:



In Cooperation with the



Guidelines and Application Packet

For the
2016 – 2017 School Year

February 15, 2017

General Information

There is an urgent and emerging need for qualified students to pursue careers in STEM related areas of learning – science, technology, engineering and math - and particularly in STEM related **skilled trades**. These skilled trades include such areas as manufacturing, fabrication, tool making, robotics, materials composites, equipment operation and highly developed computer technologies. **Please read the Skilled Trades Overview for additional information found on page four of this application packet.**

Detroit Diesel Remanufacturing West is a high tech company dedicated to providing help to students interested in pursuing career pathways related to these areas of interest.

The **Skilled Trades and STEM (Science, Technology, Engineering and Math) Scholarship Sponsored and made possible by Detroit Diesel Remanufacturing** will be given to applicants planning to continue their education primarily at Applied Technology Colleges, Community Colleges and in some cases at the university level. Each scholarship is a one-time award. It can be deferred for mission or military service. The Tooele Education Foundation will administer the scholarship.

In order to be considered for this scholarship, all required documentation must be submitted by the application deadline. Incomplete applications will not be considered.

Three \$2,500 Scholarships are Available

Three scholarships are available for the 2016- 2017 school year. The scholarships are in the amount of \$2,500.00 each. They are being made available to students who have demonstrated a high school career filled with science, math, engineering and technology classes and those students demonstrating ability and interest in Skilled Trades as shown by classes and career paths they have taken.

Eligibility and Guidelines

In order to qualify for these scholarships...

1. Students must submit their application using the prescribed application form.
2. Be a senior student from THS, GHS, and SHS.
3. Payments of the scholarships will be made after the scholarships have been awarded. Students must provide evidence of their acceptance and registration from the ATC, college or university he/she will be attending prior to having the check sent to the school of their choice.
4. Dependent children of Foundation Board of Directors members and members of judging teams are not eligible for these scholarships.

5. Deadline for scholarship applications is the **end of the school day on Friday, April 14, 2017.**
6. Applications must be submitted to the student's high school scholarship coordinator. They will then be forwarded to the Tooele Education Foundation.

Scholarship Preferences and Areas of Special Interest

These scholarships are being established to help qualified students who may require financial support with expenses related to pursuing higher education and skilled trade's certifications. Factors that will weigh heavily in the selection process include:

Candidates will be evaluated on the competitive basis of:

- Record of achievement (GPA and ACT scores as shown on the students certified transcript of credits.
- The content of one letter of recommendation.
- The quality of your essay. Please prepare one essay not to exceed 800 words in length. It should specifically address the topic – **“Why I want to be a part of the 21st Century Workforce”**.

Other factors of value that may be included in the essay could be:

Awards and recognition, volunteer activity, leadership, employment already enjoyed, school extra-curricular activity, character as revealed by seriousness of purpose, initiative and moral standards. It might also include a statement of need regarding scholarship support.

- Provide a list of classes and work experience that you've taken that demonstrate your interest and desire to pursue a STEM related or Skilled Workforce related career pathway.
- Scholarship applicants must have demonstrated substantial interest in STEM disciplines and / or pursuit of Skilled Trades as shown by classes they have taken.
- The quality, completeness and content of the application packet.

Judging Weighted Values

- | | |
|--|-----------|
| • GPA and ACT scores | 10 points |
| • 21 st Century Workforce Essay | 40 points |
| • Leadership and Community Service | 20 points |
| • List of STEM classes and / or work experiences in Skilled Trades | 20 points |
| • Letter of Recommendation | 10 points |

Skilled Trades Careers Overview*

Students who love learning in the sciences, math, technology and engineering should consider advanced training in a skilled trade.

Skilled Trades careers are those jobs which require some specialized training but not necessarily a degree from a university. The demand for individuals with certifications in skilled trades is high and increasing.

Many skilled tradesmen are self-employed, but a number of them find employment working for larger companies. These jobs can be very rewarding, are in high demand and generally pay very well. One does not need a university degree for these jobs but they almost always require specialized training.

Skilled Trades Education

Technical and trade schools have courses and provide certifications on many skilled trades careers, but numerous tradesmen and women glean their skills through apprenticeships, learning on the job as they work for an experienced craftsman. Electricians are required to be licensed through the state in which they work, and typically must continue their education to stay up to date on building codes. Electricians must also renew their licenses periodically.

Skilled Trades Job Market

Skilled trades jobs are expected to increase faster than the national average of all jobs, which is 11 percent, over the next 10 years. Population and business growth, remodel and repair needs and maintenance of older structures are the reasons the Bureau of Labor Statistics gives for a roughly 20 percent average job growth rate in skilled trades careers.

Skilled Trades Salaries

You'll earn well above minimum wage with a skilled trade. The median annual wage among skilled trade jobs is around \$42,000, but it does vary depending on which field you get into. Tile and marble setters average \$37,040 per year, carpenters earn \$39,940 and electricians make the most of the three, averaging \$49,840 annually.

With the demand for an increased workforce filled with highly skilled jobs, job opportunities and pay will be growing fast. This approach can also make it possible to finance additional higher education and advancement. **Many companies provide their skilled workers with on-going paid education benefits.**

Sophisticated skilled trades jobs include areas of work such as building inspectors, construction workers, carpenters, concrete mason, technicians, developers, engineers of all kinds, electricians, painters, managers of projects, plumbers, welders and the like.

*Adapted from <http://www.monster.com/skilled-trades-careers>



Skilled Trades and STEM (Science, Technology, Engineering and Math) Scholarship

The following application must be completed and submitted for the 2016 – 2017 school year through your high school scholarship coordinator prior to the end of the school day on Friday, April 14, 2017.

Biographical information completed by the applicant should be typed or legibly printed in ink. Application information will be used only in connection with your application for this scholarship. In the event you are a scholarship winner, you may be asked to provide a brief biographical sketch and photo for use in a company publication.

Applicant's Name: _____

Name of School: _____

Student Address: _____

City: _____ Zip: _____

Student's Phone: _____

Email address of applicant: _____

Additional Information Required:

High school GPA Overall _____ Graduation Date: _____

Please include a certified transcript of credit from your high school including ACT score.

This scholarship can be used at the any ATC, college or university of your choice.

As of the date of this application, have you applied to and been accepted to this institution?

Yes () No ()

Course of study you plan to pursue: _____

What semester or date do you plan to begin your studies? _____

Have you received other scholarships? Yes () No () If yes, please name them and indicate the amount of support being provided by each.

Do you have special situations that warrant consideration? If so, please explain:

Specific Application Information:

Requirements for the Skilled Trades and STEM (Science, Technology, Engineering and Math) Scholarship are:

1. Properly complete all application form information. **Please do not bind your application or submit it in plastic sheets.**
2. Attach a **certified transcript of credit** from your high school including ACT score.
3. Demonstrate that you have maintained a cumulative **GPA of 2.5** or higher during your high school career. In the event you do not have the 2.5 GPA but believe you should still be considered for this scholarship, provide an explanation as to why you ask for that exception.
4. Prepare one essay not to exceed 800 words in length and specifically addressing the topic – **“Why I want to be a part of the 21st Century Workforce”**. Please explain what that workforce may be and mean to you. Be sure to **explain why you feel you are deserving of this scholarship**. Be sure you proofread and correct your essay.

You may want to include in the essay information your awards and recognition, volunteer activity, leadership, employment already enjoyed, extra-curricular activities, and character. It might also include a statement of need regarding scholarship support.

- Provide a **list of classes and work experience** that you’ve taken that demonstrate your interest and desire to pursue a STEM related or Skilled Workforce related career pathway.
5. Include **one letter of recommendation** from a teacher, community leader, employer or someone who has the ability to speak to your character, needs, leadership and service experiences and educational intentions.
 6. Be willing to **maintain contact with the Foundation**, provide follow-up information and provide a written report on the use of the scholarship funds and progress you have made in advancing your education following the first year of post secondary education.

**Assemble all materials requested and submit them
prior to the end of the school day on**

Friday, April 14, 2017.

Late applications will not be accepted.