

Application for Engineering Scholarships – New Students

Completing this scholarship application will allow you to be considered for any of the scholarships administered by Grand Valley State University School of Engineering listed below. The scholarship committee will consider you for all of the scholarships for which you are eligible, based on the information you provide.

Fred M. Keller Cascade
Fred M. and Bernedine Keller Engineering Diversity
General Dynamics Land Systems
GVSU FIRST Robotics
Joseph E. Appelt P.E.
Joseph Spruit Engineering Scholarship
Price – Heneveld
Robert Bosch Fuel Systems
Russel Kirkhof
Scott M. Dykstra / Oliver Products Company
Seymour and Esther Padnos

Instructions

Please complete the information below using MSWord or a compatible word processor. The Engineering Scholarship Committee will use this information in awarding scholarships. You may submit your completed application by emailed to engineer@gvsu.edu with the words “**Scholarship Application (New Student)**” in the subject line or by mail to Engineering Scholarship, GVSU School of Engineering 301 W. Fulton Street, Suite 136 KEN Grand Rapids, MI 49504 or fax to 616-331-7215. By emailing the application to us, you certify that you worked on the required essay alone. If you have questions, please email us at engineer@gvsu.edu or call 616-331-6750.

1. Name:
2. Student G-number (if known):
3. Street Address:
4. City, State, Zip:
5. Email Address:
6. Current Status: High School Student ____ Transfer Student ____ GVSU Student ____
7. Are you a dependent of an employee of the Louis Padnos Iron and Metal Company? Yes ____ No ____
8. If you are a High School Student:
 - a. Name of High School:
 - b. Expected graduation date:

Signature _____ Date _____

Scholarship Information

A summary of each scholarship administered by the School of Engineering is provided below. This information is also available on the School of Engineering web page (<http://www.gvsu.edu/engineering>).

Engineering Scholarships Available to Entering Freshman:

Name of Scholarship	HS GPA	ACT Comp	ACT Math	FAFSA required	Max Award	Renewal Period (Max)	GPA (renewal)
Fred M. Keller Engineering Scholarship	3.0	25	27	Yes	2500	1 year (reapply)	--
Fred M. and Bernedine Keller Diversity	--	--	--	Yes	Variable	1 year (reapply)	--
General Dynamics Land Systems	3.0	25	27	Yes	1500	1 year	No
GVSU FIRST Robotics	3.3	26	--	No	4000	3 years	3.0
Joseph E. Appelt P.E.	3.0	23	26	No	500	No	--
Joseph Spruit Engineering Scholarship	3.0	25	27	Yes	Variable	3 years	2.7
Price – Heneveld	3.0	25	27	No	500	1 year	3.0
Robert Bosch Fuel Systems	3.0	26	26	Yes	500	3 years	2.5
Russel Kirkhof	3.0	23	26	No	Variable	3 years	3.0
Scott M. Dykstra / Oliver Products Company	3.0	25	27	No	Variable	3 years (Part time possible at pro-rated amount)	3.0
Seymour and Esther Padnos	3.0	25	27	Yes	Variable	3 years	3.0

General Application Criteria:

In order to be eligible to apply for these scholarships, a student must have applied for admission to Grand Valley State University by December 31, and have submitted this scholarship application to the School of Engineering by January 31.

Please write an essay about yourself and your interest in engineering. Help the Engineering Scholarship Committee understand your uniqueness and see you as a person, as a student, and as a future member of the engineering profession. To accomplish this, it would be best if you wrote in the first person. Remember that the Committee members will read many essays, and you must make them understand why you should receive a scholarship. Your essay will weigh heavily in their decision. If you are a high school student, describe your extra-curricular activities and how you participated in them as well as listing the science and mathematics courses you have taken.

GVSU FIRST Robotics Engineering Scholarship:

Attach to your application, or have sent separately, a letter of recommendation from one of the sponsors of the FIRST Robotics team on which you worked. This letter should address your level of participation and your likelihood to succeed in an engineering career. In your essay, discuss your participation in the FIRST Robotics competition, including the name and location of your team and the name of your sponsoring organization.

Joseph E. Appelt P.E. Engineering Scholarship

Scholarship applicants are to demonstrate an interest in environmental issues as they relate to engineering.

Robert Bosch Fuel Systems Engineering Scholarship

Fred M. Keller and Bernedine Keller Engineering Diversity Scholarship

Applicants should have submitted the FAFSA form. Extra consideration will be given to applicants who have demonstrated financial need.



Scholarship Program Descriptions

Fred M. Keller Cascade Scholarship

The purpose of this scholarship is to provide financial support to students who show a strong desire to pursue a career in the field of engineering.

Fred M. Keller was an entrepreneur with a distinguished career spanning most of a century. GVSU's Keller Engineering Laboratories Building is named in his honor and reflects his lifelong support of skills education. With his wife Bernedine, Fred formed the Keller Foundation to formalize their tradition of providing assistance to the community.

Fred M. Keller and Bernedine Keller Engineering Diversity Scholarship

The purpose of this scholarship is to provide financial support to minority students who show a strong desire to pursue a career in the field of engineering.

Fred M. Keller was an entrepreneur with a distinguished career spanning most of a century. GVSU's Keller Engineering Laboratories Building is named in his honor and reflects his lifelong support of skills education. With his wife Bernedine, Fred formed the Keller Foundation to formalize their tradition of providing assistance to the community.

Mr. Keller's intention was to see a greater increase in the number of minorities who seek an education in engineering, and ultimately an increase in the number of minorities working in the field of engineering. To this end, a scholarship has been created. Candidates and renewing recipients must demonstrate financial need as defined by government programs and by annually filing the *Free Application for Federal Student Aid*.

General Dynamics Land Systems Engineering Scholarship

The *General Dynamics Land Systems Engineering Scholarship* is given to qualified Grand Valley State University students who are pursuing a degree in engineering. This scholarship was initiated and endowed by General Dynamics Land Systems, headquartered in Sterling Heights, Michigan, which designs and builds armored vehicles and subsystems for the U.S. Army, the U.S. Marine Corps and international customers.

General Dynamics Land Systems was formed in 1982 when General Dynamics Corporation acquired Chrysler Corporation's defense operations. Engineering, research and technology innovation continue to keep General Dynamics Land Systems at the forefront of the U.S. Army's and the U.S. Marine Corps armored force modernization programs.

One scholarship of \$1500 is awarded to an incoming freshman engineering student, a current School of Engineering student or transfer student entering the School of Engineering.

GVSU FIRST Robotics Engineering Scholarship

The School of Engineering at Grand Valley State University has established a merit based engineering scholarship to recognize the achievements of FIRST Robotics Competition participants. This renewable scholarship will provide a \$16,000 award, \$4000 per year, renewable for three additional years, for study in the School of Engineering at Grand Valley.

Applicants must have participated in the FIRST Robotics Competition. Attach to your application, or have sent separately, a letter of recommendation from one of the sponsors of the FIRST Robotics team on which you worked. This letter should address your level of participation and your likelihood to succeed in an engineering career.

Joseph E. Appelt P.E. Engineering Scholarship

Joseph Appelt was born in Grand Rapids. Upon graduating from Creston High School, Joe was fortunate enough to earn a scholarship which would pay the cost of tuition for him to attend the University of Michigan. This assistance permitted Joe to successfully complete his degree in Architecture and Engineering. The help that was provided to Joe instilled in him a desire to help students in the pursuit of their college aspirations. In the past, he initiated the engineering scholarship program for the Western Chapter of the Michigan Society of Professional Engineers (MSPE).

Joe became a Registered Professional Engineer in four states and served as a Professional Mechanical and Electrical Consultant to over 30 Architectural, Engineering and Industrial firms on over 100 construction projects of all types and sizes.

He was awarded the “Engineer of the Year” by both the Western Chapter of MSPE and by the Michigan MSPE. He was later presented with the “Outstanding Engineer of the Year Award” by the MSPE Professional Engineers in Private Practice Division. Joe held many positions in MSPE up to and including State Vice President.

Joe was appointed by Governor Romney, and re-appointed two times by Governor Milliken, to serve on the Board of Registration for Architects, Professional Engineers and Land Surveyors. As the last Chairman of the Joint Architects, Professional Engineers and Land Surveyors Board, he assisted in organizing three separate Boards and was the first Chairman of the separate Board for Professional Engineers.

Joe was a founding member of the GVSU Engineering Advisory Board.

Scholarship applicants are to demonstrate an interest in environmental issues as they relate to engineering.

Joseph Spruit Engineering Scholarship

Joseph Spruit, founder of Autodie Corporation, was a lifelong entrepreneur who inspired many fellow business persons. Mr. Spruit started his career at Link Tool and Die, leaving there in 1962 to buy his first business, Jellens Tool and Die. Renamed Autodie, the business had peak employment of 700 people. This scholarship for engineering students is named in honor of Joseph Spruit by John C. Kennedy III who was a 23-year old accountant when Mr. Spruit hired him to be chief financial officer of Autodie in 1982. Within six years, Kennedy would buy Autocam, a spin-off from Autodie, with Mr. Spruit’s blessing and support.

This scholarship has been established in memory of Joseph Spruit. The Joseph Spruit Engineering Scholarship is made available to assist students in the GVSU School of Engineering who demonstrate financial need.

Price – Heneveld Engineering Scholarship

The Price-Heneveld practice was founded in 1952 by Peter P. Price, who believed West Michigan industry deserved the benefit of a world class, locally based intellectual property law firm. Price, a former Boeing aircraft engineer and a graduate of the University of Michigan Law School, was joined three years later by Lloyd A. Heneveld, a graduate of the University of Michigan and George Washington University Law School.

As the partners built their practice throughout the next decade, their reputation flourished. Major corporations from around the United States began turning to the firm with their intellectual property litigation. The firm also initiated an active international practice, which has grown with its clients' expanding visions.

Today, Price, Heneveld, Cooper, DeWitt & Litton represents clients from across the nation and around the world. The firm is involved in every aspect of intellectual property law, from licensing to litigation. Having earned their clients' confidence, they are trusted to provide thorough, insightful work with satisfying results.

This scholarship is made in memory of Peter Price and Lloyd Heneveld, founders of the firm.

Robert Bosch Fuel Systems Engineering Scholarship

A competitive scholarship for \$500 has generously been established by Robert Bosch Fuel Systems to support engineering students in accredited programs such as those in the GVSU School of Engineering.

Applicants should have submitted the FAFSA form. Extra consideration will be given to applicants who have demonstrated financial need.

Russel Kirkhof Engineering Scholarship

Russel Kirkhof was a self-taught electrician whose avid interest in electricity and its applications led to the establishment of an internationally known engineering research and development company. This multi-faceted company, Kirkhof Electrical and Manufacturing Company, dealt primarily with manufacturing processes. His self-taught knowledge of engineering resulted in many practical solutions to problems that at first seemed to deny solution. His success can be attributed to his intense curiosity and inventiveness; two trademarks of a successful engineer and attributes the School of Engineering hopes to instill in each of its students. Approximately 10 scholarships of \$1000 are awarded each year. These scholarships are renewable for up to \$2000 per year for up to three additional years. These competitive scholarships have been established as part of the Kirkhof Endowment to support engineering education in west Michigan.

The Scott M. Dykstra Oliver Products Company Engineering Scholarship

The Scott M. Dykstra Oliver Products Company Engineering Scholarship has been established in memory of School of Engineering alumnus Scott M. Dykstra. Scott completed his co-op at Oliver Products Company and worked for them following graduation. Oliver Products and Scott's family desire to provide opportunities for other engineering students to achieve their education and a career in engineering.

Seymour and Esther Padnos Engineering Scholarship

Seymour K. Padnos, CEO and Chairman of the Louis Padnos Iron and Metal Company of Holland, Michigan, the largest recycler of metal, paper and plastic in west Michigan, and Mrs. Esther R. Padnos are active proponents of the GVSU engineering programs. They have influenced the engineering curricula to have a strong environmental component. One result of their vision and action has been the School of

Engineering's award winning Design for Recycling program. This curriculum integrates environmentally responsible design and design for recycling throughout all of the BSE degree programs.

Approximately 10 scholarships of \$2,500 per year are awarded. These competitive scholarships have been established by Seymour and Esther Padnos to support engineering students in accredited programs that integrate elements of design for recycling and environmentally responsible design.

Scholarship applicants are to demonstrate an interest in environmental issues as they relate to engineering.