

The Michigan Society of  
Professional Engineers

Engineering Scholarships  
for  
Graduating High School Seniors  
Information & Application



Michigan Society of Professional Engineers

215 North Walnut Street

Lansing, MI 48933

Phone: 517/487-9388

Email: [mspe@michiganspe.org](mailto:mspe@michiganspe.org)

[www.michiganspe.org](http://www.michiganspe.org)

# Foreword

The Michigan Society of Professional Engineers (MSPE) encourages talented and committed high school seniors to pursue an engineering degree. The Society also offers financial support through grants and scholarships to students who earn their degrees at a Michigan college or university. The scholarships are provided by the generosity of individuals, leading companies and educational institutions. All scholarships are awarded based on merit and are to be used towards tuition only. Applicants must meet minimum criteria to qualify.

## Eligibility & Requirements

Applicants must:

- ★ Be currently accepted at a Michigan ABET accredited college or university and enrolled in an engineering program. Scholarship awards are contingent upon acceptance for admission and an intent to earn a degree in engineering and enter the practice of engineering after graduation.

- ★ Be a high school senior, a resident of Michigan, and a U.S. Citizen at the time of application.

- ★ Have at least a 3.0 grade point average (based on a 4.0 scale) for the 10th and 11th grades.

- ★ Attain a minimum composite test score of 26 on the American College Testing (ACT) Exam.

- ★ Submit a list of senior classes being taken.

- ★ Attach a documented high school transcript and ACT test score to be considered.

- ★ Submit only one MSPE application for all scholarships available from MSPE.

*Photocopies of this application are acceptable.*

## How to Apply

- ★ Submit the completed application to your MSPE Chapter Representative (use insert and page 5 to identify the chapter and representative in your area). Contact the MSPE Headquarters if you are unable to reach your Chapter Representative.

**Do not send applications to the MSPE Headquarters.**

## Criteria

- ★ The Scholarship Selection Committee will award points based on GPA, ACT score, Activities and Honors, Essay, and Supplemental Credits. Points will also be awarded for college level courses.

## Deadline

- ★ Completed applications must be submitted to applicant's local chapter scholarship representative (see inset) by **the third Monday of February**. MSPE awards will be announced in late spring.

## Selection Process

- ★ Initial judging will be made on the basis of each candidate's high school record, participation in extracurricular activities, evidence of leadership, character and self-reliance, and the comments from teachers and administrators. Semifinalists will be contacted for an interview by a member of the Scholarship Selection Committee.

## For More Information Contact:

MSPE  
Scholarship Coordinator  
PO Box 15276  
Lansing, MI 48901-5276  
Phone: 517-487-9388  
Fax: 517-487-0635  
E-Mail: [mspe@michiganspe.org](mailto:mspe@michiganspe.org)  
<http://www.michiganspe.org>

### Checklist for Applicants

- ★ Complete application.
- ★ Attach High School transcript.
- ★ Attach your double-spaced essay of 250 words on "How I Was Influenced to Pursue an Engineering Career."
- ★ Attach a copy of official ACT Test Report (if score is not shown on High School transcript).
- ★ Send to your local chapter scholarship representative as listed.



## MSPE Engineering Scholarships Available

All MSPE Scholarships must be used for tuition only and towards an engineering degree at a Michigan ABET accredited college or university.

### MSPE Kenneth B. Fishbeck, P.E., Memorial One (1) Grant/\$1000

This grant is supported through contributions of friends, members and Fishbeck, Thompson, Carr and Huber. Applicants should demonstrate qualifications of high merit and professional ethics.

### MSPE Harry R. Ball, P.E. One (1) Grant/\$1000

MSPE established this award in recognition of Harry R. Ball, P.E., former Executive Vice President of the Society.

### MSPE Calvin College James P. Bosscher One (1) Grant/\$2000

Calvin College, a liberal arts college in Grand Rapids, is owned and operated by the Christian Reformed Church. Engineering courses have been available since 1937 and a B.S. Degree in Engineering since 1985. Concentrations are available in civil, chemical, computer, electrical and mechanical engineering.

### MSPE Kettering University One (1) Grant/\$2000

Kettering University, formerly GMI Engineering & Management Institute, is a private college located in Flint, MI. Kettering offers five-year co-operative education programs leading to a B.S. Degree in computer engineering, electrical engineering, industrial engineering, manufacturing engineering, and mechanical engineering. All Kettering students alternate 12 weeks of academic study on campus with 12 weeks of practical work experience with their employer. Students are paid during their work experiences.

### MSPE Grand Valley State University School of Engineering Two (2) Grants/\$1500 each

Grand Valley State University (GVSU) is a comprehensive public university serving West Michigan with more than 22,000 students. With campuses in Allendale and Grand Rapids, Michigan, GVSU is located in an area with a strong manufacturing flavor. All students in the School of Engineering participate in an integrated cooperative education program. GVSU offers an ABET accredited B.S. in Engineering with computer, electrical, interdisciplinary, mechanical and product design & manufacturing emphasis. The scholarships are funded by the Seymour and Esther Padnos Endowment and MSPE. Applicants must be high school seniors intending to pursue a degree in engineering on a full time basis and must have been admitted to Grand Valley State University.

### MSPE Lake Superior State University Two (2) Grants/\$2000 each

Lake Superior State University (LSSU) is a comprehensive, public university located in Sault Ste Marie, Michigan - only 50 miles north of the Mackinac Bridge on I-75. LSSU offers nationally recognized degree programs in computer, electrical, and mechanical engineering with all programs offering an option in Robotics. With only 200 engineering students, LSSU is able to devote attention to the individual and can provide a personal educational environment for the student while maintaining some of the lowest tuition costs in the state. In addition to traditional studies, students can enter a cooperative education path that allows students to interleave periods of full-time study with full-time employment in meaningful engineering jobs. The scholarships are available for first-time-in-college or transfer students who will study computer, electrical, or mechanical engineering.

### MSPE Lawrence Technological University Two (2) Grants/\$2000 each

Lawrence Technological University is a private university enrolling approximately 4,500 students, which specializes in engineering, arts and sciences, management and architecture. It is known for its close industry and business ties and the excellence of its undergraduate programs. The Engineering College offers Bachelor Degrees in architectural, biomedical, civil, electrical and computer, and mechanical engineering, which emphasize the broad professional aspects of the field and the fundamental knowledge upon which it is based. Significant areas of specialization are provided within these programs in response to the needs of industry and student interests. A co-op program is available to qualified junior and senior students and many students are employed in the surrounding community or on campus in faculty research projects.

### MSPE Michigan State University Four (4) Grants/\$1000 each

The College of Engineering at Michigan State University (MSU) provides alternate paths of study leading toward the B.S. Degrees. In addition to the modern courses of study in each of the professional engineering fields of biosystems, chemical, civil, electrical, materials science and engineering, there are also strong, flexible programs in computer science. A program in cooperative education enables students to alternate periods of full-time study with full-time employment in meaningful engineering jobs.

### MSPE MSU Biosystems Engineering Alumni Scholarship One (1) Grant/\$2000

The \$2000 Scholarship is awarded annually to an incoming freshman with an interest in biosystems engineering profession. The profession provides opportunities for individuals

to combine engineering with biology in a systems context to solve problems related to food quality, safety, and biosecurity; sustainable ecosystems including protecting the environment and conserving natural resources; and bioenergy. Recipients of this award are selected based on scholastic achievements, especially in the mathematics and science courses.

### MSPE Michigan Technological University One (1) Grant/\$1500 each

Michigan Technological University (MTU) is located in Houghton on Upper Michigan's Keweenaw Peninsula. MTU offers degrees in computer, biomedical, chemical, civil, electrical, environmental, geological, mechanical, materials science engineering and mining engineering and a program that allows for other specialties.

### MSPE Oakland University Two (2) Grants/\$2000 each

Oakland University offers Baccalaureate programs in computer, electrical, mechanical and systems engineering, as well as in computer science through its School of Engineering and Computer Science. In addition, the school offers engineering physics and chemistry programs jointly with the College of Arts and Sciences.

### MSPE Saginaw Valley State GM Endowed Scholarship One (1) Grant/\$2000

Saginaw Valley State University (SVSU) engineering programs are small, of high quality, and offer personal attention. This scholarship is for first-time-in-college or first-time-transfer students who will study electrical or mechanical engineering.

### MSPE University of Detroit-Mercy One (1) Grant/\$1000

The University of Detroit-Mercy is a private, coeducation, Jesuit-Sisters of Mercy university. The University's College of Engineering and Science provides degree programs in chemical, civil, electrical, mechanical, and manufacturing engineering.

### MSPE U of M-Ann Arbor Four (4) Grants/\$1000 each (\$500 each fall & winter term)

The University of Michigan (U of M) was established in 1817. The College of Engineering was established in 1895, and its first engineering degree was awarded in 1857. Areas of undergraduate study include: aerospace; atmospheric, oceanic and space sciences; biomedical; chemical; civil; computer engineering and computer science; electrical; engineering physics; industrial and operations; interdisciplinary; materials science; mechanical; naval architecture and marine engineering; and nuclear.

## **MSPE Engineering Scholarships Available**

*All MSPE Scholarships must be used for tuition only and towards an engineering degree at a Michigan ABET accredited college or university.*

### **MSPE Michigan Bell Telephone Co., U of M, Hazel Quick, P.E., Memorial One (1) Grant/\$2000/One Year (female)**

The Michigan Bell Telephone Company and the U of M, College of Engineering established a scholarship in memory of Dr. Hazel Irene Quick, P.E. to be awarded to a high-potential female majoring in engineering. Dr. Quick was the second woman to graduate from the U of M, College of Engineering and was the first licensed woman P.E. in Michigan. She spent her entire career with the Michigan Bell Telephone Company, retiring as a Senior Engineer in 1950. She received an honorary Doctor of Engineering degree from Lawrence Institute of Technology in 1959.

### **MSPE U of M B. Charles Tiney Memorial One (1) Grant/\$2000**

The MES and the U of M established a memorial scholarship in memory of B. Charles Tiney, a Civil Engineer. MES was established in 1887 and is the oldest engineering society in Michigan.

### **MSPE U of M-Dearborn Two (2) Grants/\$1000 each**

Since its founding in 1959, U of M-Dearborn's mission has been to provide an easily accessible, full service undergraduate university campus with high standards of excellence, at low costs to the student. Degrees in several engineering disciplines are available.

### **MSPE Wayne State University Two (2) Grants/\$1500 per year**

Wayne State University (WSU) is the 18th largest single campus university in the U.S., enrolling more than 34,000 students in undergraduate, graduate and professional programs. The College of Engineering offers Bachelors, Masters and Ph.D. Degrees in chemical, civil and environmental, electrical and computer, industrial and manufacturing, materials science and engineering, and mechanical engineering. The University is accredited by North Central Association of Colleges and Schools. A separate engineering technology division provides programs for students with an Associate's Degree in Technology from community colleges leading to a B.S. Degree in Engineering Technology.

### **MSPE Western Michigan University One (1) Grant/\$3000**

The College of Engineering and Applied Science at Western Michigan University has a total enrollment of almost 3,000 including an undergraduate enrollment of 2,395. It offers BSE programs in aeronautical, civil, chemical, computer, construction, electrical, industrial, manufacturing, materials, mechanical, and paper engineering. BS programs are offered in engineering graphics and design technology, industrial design, manufacturing engineering technology, paper science, and printing.

## Scholarship Committee Boundaries

**Instructions:** Please find the **county** your High school is located in on the chart below. The name next to your county will indicate which MSPE Chapter your school is in. Look at the Chapter Representatives Insert to determine who to contact for scholarship application questions and where to mail completed applications.

COUNTY	CHAPTER	COUNTY	CHAPTER
ALCONA	HURON SHORES	LAKE	BIG RAPIDS
ALGER	D HOUGHTON	LAPEER	FLINT
ALLEGAN (SW 1/4)	BLOSSOMLAND	LEELANAU	NORTHERN
ALLEGAN (except SW 1/4)	SOUTHWESTERN	LENAWEE	ANN ARBOR
ALPENA	HURON SHORES	LIVINGSTON	ANN ARBOR
ANTRIM	NORTHERN	LUCE	MAC STRAITS
ARENAC	SAGINAW VALLEY	MACKINAC	MAC STRAITS
BARAGA	D HOUGHTON	MACOMB (N2/3)	OAKLAND
BARRY	SOUTHWESTERN	MACOMB (S1/3)	DETROIT METRO
BAY	SAGINAW VALLEY	MANISTEE	NORTHERN
BENZIE	NORTHERN	MARQUETTE	D HOUGHTON
BERRIEN	BLOSSOMLAND	MASON	NORTHERN
BRANCH	SOUTHWESTERN	MECOSTA	BIG RAPIDS
CALHOUN (W 4/5)	SOUTHWESTERN	MENOMINEE	D HOUGHTON
CALHOUN (E 1/5)	JACKSON	MIDLAND	SAGINAW VALLEY
CASS	BLOSSOMLAND	MISSAUKEE	NORTHERN
CHARLEVOIX	MAC STRAITS	MONROE	SOUTHEASTERN
CHEBOYGAN	MAC STRAITS	MONTCALM	BIG RAPIDS
CHIPPEWA	MAC STRAITS	MONTMORENCY	HURON SHORES
CLARE	SAGINAW VALLEY	MUSKEGON	MUSKEGON
CLINTON	CAPITAL AREA	NEWAYGO	BIG RAPIDS
CRAWFORD	HURON SHORES	OAKLAND (lower 1/4)	DETROIT METRO
DELTA	D HOUGHTON	OAKLAND (except lower 1/4)	OAKLAND
DICKINSON	D HOUGHTON	OCEANA	MUSKEGON
EATON	CAPITAL AREA	OGEMAW	HURON SHORES
EMMET	MAC STRAITS	ONTONAGON	D HOUGHTON
GENESEE	FLINT	OSCEOLA	BIG RAPIDS
GLADWIN	SAGINAW VALLEY	OSCODA	HURON SHORES
GOGEBIC	D HOUGHTON	OTSEGO	MAC STRAITS
GRAND	NORTHERN	OTTAWA (NW corner)	MUSKEGON
GRATIOT (N 1/2)	SAGINAW VALLEY	OTTAWA (except NW corner)	WESTERN
GRATIOT (S 1/2)	CAPITAL AREA	PRESQUE ISLE	HURON SHORES
HILLSDALE	JACKSON	ROSCOMMON	HURON SHORES
HOUGHTON	D HOUGHTON	SAGINAW	SAGINAW VALLEY
HURON (E 1/2)	BLUE WATER	SANILAC	BLUE WATER
HURON (W 1/2)	SAGINAW VALLEY	SCHOOLCRAFT	D HOUGHTON
INGHAM	CAPITAL AREA	SHIAWASSEE (SW 1/4)	CAPITAL AREA
IONIA (W 1/2)	WESTERN	SHIAWASSEE (other 3/4)	FLINT
IONIA (E 1/2)	CAPITAL AREA	ST JOSEPH	SOUTHWESTERN
IOSCO	HURON SHORES	ST CLAIR	BLUE WATER
IRON	D HOUGHTON	TRAVERSE	NORTHERN
ISABELLA (E 1/2)	SAGINAW VALLEY	TUSCOLA	SAGINAW VALLEY
ISBELLA (W 1/2)	BIG RAPIDS	VAN BUREN	BLOSSOMLAND
JACKSON	JACKSON	WASHTENAW	ANN ARBOR
KALAMAZOO	SOUTHWESTERN	WAYNE (N 1/2)	DETROIT METRO
KALKASKA	NORTHERN	WAYNE (MIDDLE))	FAIRLANE
KENT	WESTERN	WAYNE (S1/2)	SOUTHEASTERN
KEWEENAW	D HOUGHTON	WEXFORD	NORTHERN

## The Application Deadline is the third Monday in February.

Return completed application to your local MSPE Chapter Scholarship Representative. For questions, please contact the MSPE office by phone at 517-487-9388 or E-mail to [mspe@michiganspe.org](mailto:mspe@michiganspe.org). **Do not send applications to the MSPE Central Office.** Applications must be processed at the chapter level first.



### Applicant Information:

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone Number: ( ) \_\_\_\_\_

Sex:  Female  Male

Are either of your parents an MSPE member?

US Citizen & Michigan Resident:  Yes  No

Yes  No Name: \_\_\_\_\_

Did you participate in MATHCOUNTS when you were in 7th or 8th grade?  Yes  No



### College Preferences:

List two Michigan ABET accredited universities you have applied to (scholarships will be granted to first preference school choice):

First Choice: \_\_\_\_\_

Second Choice: \_\_\_\_\_

Date you applied for admission: \_\_\_\_\_

Date you applied for admission: \_\_\_\_\_

Have you been accepted?  Yes  No

Have you been accepted?  Yes  No



### Counselor/Principal Certification:

I hereby certify that the academic information and summary of school activities on this application are correct, and to the best of my knowledge, the applicant has applied for admissions to the schools listed.

Average GPA for the 10th and 11th grades: \_\_\_\_\_ 12th Grade 1st Semester Course List Attached?  Yes  No

ACT composite score (*minimum score of 26 required*): \_\_\_\_\_

Transcript showing GPA and ACT score are attached to this application:  Yes  No

Applicant meets all academic requirements to be eligible:  Yes  No

Printed Name: \_\_\_\_\_

High School: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



### Authorization to Release Information:

In submitting this application, I authorize my high school counselor/principal to provide information concerning my academic records to MSPE. I hereby grant permission to MSPE to release information contained herein to other potential sources of scholarship assistance for engineering studies. I certify that all statements contained herein are true.

Applicant's Signature: \_\_\_\_\_ Date: \_\_\_\_\_



 **Activities and Honors (continued)**

Part E: Summer activities (i.e., paid employment, or involvement in Boy's/Girl's State, a university program, etc.)	Summer Before Grade			Number of Weeks Each Summer	Average Hours Worked Per Week	MSPE Use
	10	11	12			
<b>TOTAL PART E (MSPE USE ONLY)</b>						
Part F: Organized volunteer, community or other activity not sponsored by high school (i.e., Scouts, 4-H, candy striper, church leader, Big Brother/Sister, etc.)	School Year			Average Hours Per Week	Significant Contribution(s)	MSPE Use
	10	11	12			
<b>TOTAL PART F (MSPE USE ONLY)</b>						

 **High School Transcript**

Obtain a certified copy of your high school transcript and staple it to the top of this page. Have your Guidance Counselor or Principal include a description of the curriculum and grading system used, and indicate on the transcript those **courses you are taking in the first semester of your 12th grade. Your ACT score must be included on the transcript, or attach a copy of the official test report.** Clearly indicate on the transcript **any college-level courses you are taking or have completed.**

 **Essay**

Prepare a double-spaced essay of approximately 250 words on the following topic: ***“How I Was Influenced to Pursue an Engineering Career.”*** Put your name and the title of the essay at the top of the page, and staple your essay to the top of this page (on top of your transcript). Answer the following questions in your essay: (1) How did you become interested in engineering? (2) What field of engineering most interests you? (3) Why do you want to become a practicing engineer?

 **Send to Your Local Chapter Scholarship Representative**



# Chapter Scholarship Representatives Addresses and Phone Numbers

## Ann Arbor

Jim Valenta, PE  
Midwestern Consulting  
3815 Plaza Drive  
Ann Arbor, MI 48108  
Phone: 734/995-0200  
Fax: 734/995-0599  
jjv@midwesternconsulting.com

## Blossomland

Kenton McAndrew, PE  
Abonmarche  
95 W. Main St.  
Benton Harbor, MI 49022  
Phone: 269-927-2295  
Fax: 269-927-1017  
kmcandrew@abonmarche.com

## Blue Water

Lara Fakult, PE  
BMJ Inc.  
519 Huron Ave.  
Port Huron, MI 48060  
Phone: 810-984-5596  
Fax: 810-984-8760  
lfakult@bmjinc.com

## Douglass Houghton

William Yeadon, PE  
Yeadon Engineering Systems Inc.  
514 W. Maple St.  
Iron River, MI 49935  
Phone: 906-265-7937  
Fax: 906-265-0007  
yes@yeadoninc.com

## Fairlane

Nathan Duhl, PE  
6741 Rockland  
Dearborn Heights, MI 48127  
Phone: 313-402-4499  
nateduhl@gmail.com

## Flint

Eric Johnston, PE  
Rowe Professional Services Co.  
Po Box 3748  
Flint, MI 48502  
Phone: 810-341-7500  
Fax: 810-341-7573  
ejohnston@rowepsc.com

## Oakland

Ken Budry, PE & David Hunter, PE  
Professional Engineering Associates  
2430 Rochester Rd., Ste. 100  
Troy, MI 48083  
Phone: 248-689-9090  
Fax: 248-689-1044  
kbudry@peainc.com  
dhunter@peainc.com

## Capital Area

Gregory L. Minshall, PE  
Fitzgerald-Henne  
3125 Sovereign Dr., Suite D  
Lansing, MI 48911  
Phone: 517-887-1100  
Fax: 517-887-6335  
minshallg@fitzhenne.com

## Jackson & State Chair

Richard Cottrell, PE  
Consumers Energy  
1945 W. Parnall Rd.  
Jackson, MI 49201  
Phone: 517-788-1432  
Fax: 517-788-0917  
rgcottrell@cmsenergy.com

## Muskegon

Kevin Kieft, PE  
Prein&Newhof, Inc.  
4910 Stariha Drive  
Muskegon, MI 49441  
Phone: 231-798-0101  
Fax: 231-798-0337  
kkieft@preinnewhof.com

## Northern

Bob Verschaeve, PE  
Gosling-Czubak Engineering Services  
1280 Business Park Drive  
Traverse City, MI 49686  
Phone: 231-933-5102  
Fax: 231-941-4603  
rmverschaeve@goslingczubak.com

## Saginaw Valley

Rob Green, PE  
Wade Trim  
3933 Monitor Rd.  
Bay City, MI 48707  
Phone: 989-686-3100  
rgreen@wadetrim.com

## Southeastern

Douglas Thompson, PE  
1287 Valetta Dr.  
Temperance, MI 48182  
Phone: 734-240-3104  
thompdj@hotmail.com  
or  
Patrick Lewis, PE  
120 E. First St.  
Monroe, MI 48161  
Phone: 734-384-9124  
Cell: 734-915-5692  
patrick.lewis@monroemi.gov

## Southwestern

Donald F. Nedervelt, PE  
Pfizer  
7171 Portage Rd.  
M/S Port 41-051  
Kalamazoo, MI 49001  
Phone: 269-833-7549  
Fax: 269-833-4672  
donald.f.nedervelt@pfizer.com

## Western

Al Pennington, PE  
Moore & Bruggink  
2020 Monroe Ave. NW  
Grand Rapids, MI 49505  
Phone: 616-363-9801  
Fax: 616-363-2480  
apennington@mbce.com

## Huron Shores

Thomas R. Bennett, PE  
DeVere Construction  
1030 DeVere Dr.  
Alpena, MI 49707  
Phone: 989-356-4411  
Fax: 989-356-1198  
tbennett@deverec.com

## Mackinac Straits

Bob Verschaeve, PE  
Gosling-Czubak Engineering Services  
1280 Business Park Drive  
Traverse City, MI 49686  
Phone: 231-933-5102  
Fax: 231-941-4603  
rmverschaeve@goslingczubak.com

## Big Rapids

Al Pennington, PE  
Moore & Bruggink  
2020 Monroe Ave. NW  
Grand Rapids, MI 49505  
Phone: 616-363-9801  
Fax: 616-363-2480  
apennington@mbce.com

## Detroit Metro

Pamela Lemme, PE  
806 Woodcrest Drive  
Royal Oak, MI 48067  
Phone: 248/808-9649  
plemme2@comcast.net