



## **MSPE Northwest Chapter Scholarship Program**

### ***Engineering Scholarships Available to Graduating High School Seniors***

The funding for the scholarships described herein is provided by the Missouri Society of Professional Engineers Northwest Chapter.

This scholarship is provided for graduating high school seniors who have a genuine interest in engineering. Please read the instructions carefully and fulfill all of the requirements. Should you have questions that your parent, guidance counselor or principal cannot answer, please contact Joe Fangman Northwest Chapter Scholarship Committee Chair [joe.fangman@kcpl.com](mailto:joe.fangman@kcpl.com).

### ***Eligibility Requirements for Northwest Chapter Scholarship:***

- 1) Be a high school senior
- 2) Be a citizen of the United States at the time of application
- 3) Have at least a 3.0 grade point average (based on a 4.0 scale) for the 10<sup>th</sup> and 11<sup>th</sup> grades.
- 4) Have at least a minimum score on the American College Testing Program (ACT) test of 29 in Math and 25 in English.
- 5) Must enroll in an engineering program that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET-EAC) at one of the following state institutions<sup>1</sup> or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed below.

### ***Types of Scholarships***

The MSPE Northwest Chapter will award one \$1,500 Scholarship to the highest scoring applicant. This scholarship is awarded to high school seniors preparing to attend one of the following area schools of engineering or one of the approved transfer programs:

College of the Ozarks, Point Lookout, MO  
Southeast Missouri State University, Engineering Physics Program (BS), Cape Girardeau, MO  
Southwest Missouri State University, Computer Science (BS), Springfield, MO  
St. Louis University, Parks College of Engineering & Aviation (AE, EE, ME), St. Louis, MO  
Truman State University, Pre-Engineering 2-year Program (University of Missouri System), MO  
University of Missouri-Columbia, College of Engineering, Columbia, MO  
University of Missouri-Kansas City, School of Engineering, Kansas City, MO  
University of Missouri-Rolla, School of Engineering, Rolla, MO  
University of Missouri-Rolla, School of Materials, Energy, and Earth Resources, Rolla, MO  
University of Missouri St. Louis/Washington University Joint Undergraduate Engineering Program  
Washington University, School of Engineering and Applied Sciences, St. Louis, MO  
Kansas State University-College of Engineering, Manhattan, KS  
University of Kansas-College of Engineering, Lawrence, KS

### ***Note to Applicant***

***Deadline for submittal to Chapter Scholarship Committee Chair is January 31, 2010.***

***Scholarship awards are contingent upon enrollment in engineering and being accepted by the college or university.***

# MSPE Northwest Scholarship

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

SSN#: \_\_\_\_\_

The Missouri Society of Professional Engineers Northwest Chapter will award one (1) \$1,500 scholarship to a high school senior. To be eligible, this student must enroll in an engineering program that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET-EAC) or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with one of the named schools listed below. The top-scoring candidate will be awarded the MSPE Northwest Chapter Scholarship. The recipient is chosen in the spring from a statewide competition. The scholarship is awarded after enrollment verification in the fall semester at one of these state institutions:

*College of the Ozarks, Point Lookout, MO*  
*Southeast Missouri State University, Engineering Physics Program (BS), Cape Girardeau, MO*  
*Southwest Missouri State University, Computer Science (BS), Springfield, MO*  
*St. Louis University, Parks College of Engineering & Aviation (AE, EE, ME), St. Louis, MO*  
*Truman State University, Pre-Engineering 2-year Program (University of Missouri System), MO*  
*University of Missouri-Columbia, College of Engineering, Columbia, MO*  
*University of Missouri-Kansas City, School of Engineering, Kansas City, MO*  
*University of Missouri-Rolla, School of Engineering, Rolla, MO*  
*University of Missouri-Rolla, School of Materials, Energy, and Earth Resources, Rolla, MO*  
*University of Missouri St. Louis/Washington University Joint Undergraduate Engineering Program*  
*Washington University, School of Engineering and Applied Sciences, St. Louis, MO*  
*Kansas State University-College of Engineering, Manhattan, KS*  
*University of Kansas-College of Engineering, Lawrence, KS*

To be eligible, a student should submit the following to the Northwest Chapter Scholarship Committee Chair. Deadline for submittal is **January 31, 2010**.

- 1) Application
- 2) Official Transcripts (must be in sealed envelope) and ACT scores (Minimum scores Math: 29, English 25; attach official score sheet)
- 3) Recommendation of teachers (at least two)
- 4) Essay on career plans (maximum 300 words)
- 5) School picture in envelope labeled with applicant's name (to be used for publication in local media if selected as award recipient).

Mail application and materials to the Northwest Chapter Scholarship Committee Chair no later than **January 31, 2010** (see page 5 for contact information).

The following criteria will be used by MSPE as the basis for selecting scholarship winners:

Class Ranking	5 points	_____
Grade Point Average (GPA)	20 points	_____
ACT Scores	20 points	_____
Applicant's volunteer activities, work experience, honors/scholarships	20 points	_____
Recommendation of at least two teacher's	10 points	_____
Essay on career plans (maximum 300 words)	20 points	_____
Composite application (include all signatures and information requested)	5 points (auto)	_____
<b>Total</b>	<b>100 points</b>	<b>_____</b>

# **MSPE Northwest Scholarship**

## **PERSONAL INFORMATION**

APPLICANT AND SCHOLARSHIP IDENTIFICATION			
Last Name	First Name	Middle Name	
Permanent Mailing Address			
City	State	Zip	SS#
Phone	County		Date of Birth
Parent who will forward mail to you:			
Parent Mailing Address			Parent Day Phone
City	State	Zip	Parent Home Phone
Name of Local Newspaper		Address	
City	State	Zip	FAX #

Submittal of school photograph (labeled with name on back of photo) is required for media announcement of chosen recipients.

## **REQUIRED INFORMATION**

Scholarship Applicant:

- I hereby authorize my school officials to give information about my academic records to the MSPE Educational Foundation.
- I hereby certify that all information presented on this application is complete and true. I understand that submitting non-factual information will automatically disqualify me from any consideration for a scholarship.

\_\_\_\_\_

***Applicant's Signature***

Principal/Guidance Counselor Certification:

- I hereby certify the academic information and summary of school activities presented on this application to be correct; that to the best of my knowledge applications have been submitted by the candidate to the schools listed; and that the applicant meets all eligibility requirements as outlined herein.

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

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

**Title:** \_\_\_\_\_

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

**Telephone #:** \_\_\_\_\_

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

# MSPE Northwest Scholarship

## ACADEMIC INFORMATION

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

MSPE Use \_\_\_\_\_  
(Composite App/5)

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

\_\_\_\_\_

Phone #: \_\_\_\_\_

Guidance Counselor: \_\_\_\_\_

Unweighted Grade Point Average: \_\_\_\_\_ (3.0 or higher based on 4.0 grade scale) MSPE Use \_\_\_\_\_  
(GPA/20)

Ranking \_\_\_\_\_ in Class of \_\_\_\_\_

MSPE Use \_\_\_\_\_  
(Class Ranking/5)

*NOTE: Each applicant must meet the minimum requirements for the ACT test. Below, post test scores from your transcript or other enclosed documentation. Do not mix scores from different dates.*

ACT Math (\_\_\_\_\_) English (\_\_\_\_\_) Composite (\_\_\_\_\_)  
Min. (29) Min. (25)

MSPE Use \_\_\_\_\_  
(ACT/20)

## COLLEGE INFORMATION

### NOTE TO APPLICANT:

To be eligible for an MSPE Northwest Chapter Scholarship, applicants **must attend an engineering program** at a university/college in Missouri or Kansas that has been **accredited by** the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology **(ABET-EAC) or a Pre-Engineering Program at a Missouri College or University that has a working agreement to transfer credits with an ABET-EAC school.**

An applicant may be disqualified if the school is not ABET-EAC accredited.

List below those colleges and universities to which you have applied:

Name of school

Date applied

\_\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

\_\_\_\_\_

\_\_\_\_/\_\_\_\_/\_\_\_\_

Planned Engineering Major: \_\_\_\_\_

# MSPE Northwest Scholarship

## ACTIVITIES

MSPE Use \_\_\_\_\_  
(Activities/20)

### VOLUNTEER ACTIVITIES

List on/off campus extracurricular activities during high school. (i.e., Math Club, JETS, Science Club, local or state science fair, include any position held, such as president, secretary, etc. athletic teams, cheerleading, service clubs, FFA, school publications, Academic Decathlon, Community Service Work) Use additional sheet if necessary.

Month/Year to Month/Year (most recent first)	Activity	Most Significant Contribution

### WORK EXPERIENCE

List employment during school and summer break.

Month/Year to Month/Year (most recent first)	Place of Employment, Name of Supervisor/Tele #	Most Significant Contribution

### HONORS & SCHOLARSHIPS

List special recognition or academic honors or other special achievements for which you were singled out (i.e., Honor Society, National Science Fair, Scholarship Award, etc.)

Month/Year to Month/Year (most recent first)	Activity	Most Significant Contribution

# **MSPE Northwest Scholarship**

## **REFERENCE**

Letter of Recommendation required from at least two teachers.

MSPE Use \_\_\_\_\_  
(References/10)

## **ESSAY**

The essay should discuss your interest in engineering, your major area of study and area of specialization, the occupation you propose to pursue after graduation, your long term goals and how you hope to achieve them. The essay may also include any other information that is relevant to your career plans. The essay should be a typewritten or computer-printed essay of no more than 300 words, double-spaced. Your essay should contain a clearly stated objective, have clarity of expression and logical consistency, and should be free of error. Put your name and major field of engineering at the top of the page.

MSPE Use \_\_\_\_\_  
(Essay/20)

## **OFFICIAL TRANSCRIPT**

Obtain a certified copy of your high school transcript. Be sure that your ACT scores are included on the transcript or attach a copy of the official test result report.

MSPE Use \_\_\_\_\_  
(Attached 3)

## **CONTACT INFORMATION FOR SCHOLARSHIP CHAIR**

Joseph G. Fangman, P.E.  
Kansas City Power & Light  
613 Atchison St.  
St. Joseph, MO 64501  
Phone (816) 387-6215  
Fax (816) 387-6453  
Email [joe.fangman@kcpl.com](mailto:joe.fangman@kcpl.com)

## **NORTHWEST CHAPTER COUNTIES**

Andrew  
Atchison  
Buchanan  
Caldwell  
Clinton  
Daviess  
DeKalb  
Gentry  
Grundy  
Harrison  
Holt  
Livingston  
Mercer  
Nodaway  
Worth