



AMERICAN COUNCIL OF ENGINEERING COMPANIES

*of Indiana*

# Scholarship Program

The program includes scholarships awarded by the American Council of Engineering Companies' Member Organization (ACEC Indiana.)

## **GENERAL SCHOLARSHIPS**

Students must be entering their junior, senior, fifth, or graduate year, in the fall of 2010 to qualify for the general scholarships. In addition, a student must be an Indiana resident attending an Indiana school, pursuing a Bachelor's or Master's degree in engineering program to qualify. ABET accreditation of engineering programs for scholarship applicants must conform to the following for the particular degree the student is pursuing:

- Bachelor's Degree Student must be in an ABET-accredited engineering program.
- Master's Degree Student must either be in an ABET-accredited Master of Science (MS) engineering program, or have a Bachelor of Science (BS) degree from an ABET-accredited engineering program.

The top ACEC Indiana scholarship candidate will be nominated to receive one of three top ACEC National Scholarships.

## **SCHOLARSHIP DEADLINE**

Friday Feb. 26, 2010

*Your interest and commitment to the business and management of the profession are important. You are encouraged to reflect that throughout the application. Be as complete as possible while filling out this application. Each portion of the application has a specific point value. Judges will score each section separately. Incomplete applications will not be considered.*

## **ABET, Inc.'s accredited engineering programs in Indiana include:**

University of Evansville  
Indiana Institute of Technology  
Indiana University-Purdue University Fort Wayne  
Indiana University-Purdue University Indianapolis  
University of Notre Dame  
Purdue University at West Lafayette  
Purdue University Calumet  
Rose-Hulman Institute of Technology  
Trine University  
Valparaiso University

## SCORING

### •Cumulative Grade Point Average: 24 points

#### • Essay: 25 points

Essays must be typed or neatly printed. Points may be lost for poor grammar, incorrect spelling, illegibility, or lack of neatness. Proofread carefully.

#### • Work Experience: 24 points

List your most recent work experience first and include any jobs held during high school. Indicate the year in school during which you held a particular position. Indicate if your work experience was in the form of work-study, co-op, or practicum. Clearly identify the nature of the business of the listed employers; in particular, note consulting engineering firms. Be complete and accurate. List additional experience on a separate sheet and attach if necessary. The more experience you list, the higher your potential score.

#### • Recommendation: 17 points

A recommendation is needed from an engineering professor, a consulting engineer. Use the enclosed form—a letter is not sufficient. Greater weight will be given for a recommendation from a consulting engineer. The evaluator must send the recommendation directly to ACEC Indiana.

#### • Extracurricular College Activities: 10 points

Indicate all college activities including offices held in any organization. Be as complete as possible. If there are no activities, write “none”. The more activities you list, the higher your potential score. A. Student organizations (3 points) B. Community activities (2 points) C. Athletics (2 points) D. Other (3 points)

## SCORING GUIDELINES

When evaluating applications, it is important for the judges to make note of the year the student is entering in the engineering program — junior, senior, fifth or Master’s. It is only fair that work experience and college activities be weighted so that sophomores entering their junior year are not penalized for lack of opportunity to become involved in activities which older students have had more time for. An applicant can deserve all or a portion of the points available in each area. Judges’ scores are averaged to develop one score for each criterion.

### I. Cumulative Grade Point Average: 24 Points Maximum

#### A. Determine cumulative GPA using transcript

Some schools list cumulative GPA.

Others list only quarterly/semester GPAs.

If there is no cumulative GPAs, determine by assigning points for each course unit: A = 4 pts., B = 3 pts., C = 2 pts. (Example: An A in a 3-unit course = 12 grade points.) Divide total number of grade points by total number of units. Some schools do not use 4-point scale, the basis for ACEC scoring. If so, first convert school GPA to 4-point maximum scale.

B. For Bachelor’s (Undergraduate) Candidates: Multiply cumulative GPA by 6. Cumulative GPA (on 4-pt scale) \_\_\_\_\_ # x 6 = \_\_\_\_\_ points.

C. For Master’s Candidates: 1. Add cumulative GPA for Bachelor’s (A) and Master’s (B) degrees. 2. Divide by 2. 3. Multiply by 6. Equation:  $A+B \div 2 \times 6 =$  \_\_\_\_\_ points

## II. Essay: 25 Points Maximum

- A. Score six basic points for writing the essay.
- B. Score three points for neatness, good English and proper spelling.
- C. Score seven points if applicant indicates knowledge of what a consulting engineer or land surveyor is and does. In other words, does the applicant know the definition of “consulting engineer or land surveyor.”
- D. Score seven points for an unusual or unique idea or some unusual or “catchy” feature.
- E. Score two points if applicant indicates an understanding that consulting engineers or land surveyors work with people (clients, employees, the public, etc.); are administrators; service clients; and use their talents, experience and knowledge to develop the best engineering project possible.

## III. Work Experience: 24 Points Maximum

- A. Score a possible twelve points for any employment during high school and college (high school - two; college: freshman - four, sophomore - three, other - three).
- B. Score four additional points if work experience was in any way involved with the building industry, industrial work, or general engineering-type practice, public agencies, etc.
- C. Score four additional points if employment was in the consulting engineering or land surveying field.
- D. Score four additional points for any part-time work, work study or practicum while attending for-credit classes. (Such students usually do not have time for extracurricular activities.)

## IV. Recommendation: 17 Points Maximum

- A. Using the recommendation form, add the total number of rating points.
- B. Divide total number of rating points (A) by total possible points (B), where B=44.
- C. Multiply by 15. D. Add two points if the recommendation is from a consulting engineer or land surveyor. Equation: 
$$\left[ \frac{\text{(A)}}{\text{(B)}} \right] \times 15 = \frac{\text{(C)}}{\text{(D)}} + \text{(D)} = \text{_____}$$

## V. Extracurricular College Activities: 10 Points Maximum

A. Student Organizations: 3 points maximum Score two points for any organization membership. Score one additional point for more than one organization membership. If a student is an officer in an organization and a member of two or more groups, score three.

B. Community Activities: 2 points maximum Score one point for any community activity or community organization membership. Score one additional point for more than one activity.

C. Athletics: 2 points maximum Score one point for any athletic activity (intramural or intercollegiate). Score one additional point for more than one athletic activity.

D. Other: 3 points maximum Score one, two or three points for activities totaling more than the above numbers of any academic or athletic awards, any additional or multiple church activities, youth organization or any other type of activity that is felt deserving of additional points.

## JUDGES SCORING SHEET

Student's Name: \_\_\_\_\_

	Maximum Score	Total
I. College Grades (Cumulative GPA)	24 pts	___ pts
II. Essay	25 pts	___ pts
III. Work Experience	24 pts	___ pts
IV. Recommendation	17 pts	___ pts
V. Extracurricular College Activities	(10 pts)	
A. Student Organizations	3 pts	___ pts
B. Community Activities	2 pts	___ pts
C. Athletic	2 pts	___ pts
D. Other	3 pts	___ pts

Overall Total \_\_\_ pts