

**THE 2013 BUSINESS OF ENGINEERING PROGRAM**

HAMPTON UNIVERSITY  
SCHOOL OF ENGINEERING & TECHNOLOGY  
&  
SCHOOL OF BUSINESS

**SPONSORED BY:**

United States Department of Energy (DOE)

**PROGRAM SCHEDULE:** June 17 – June 28<sup>th</sup>, 2013

Application Information Package:

<http://busofeng.weebly.com>

1. Program Description
2. Application Form
3. Recommendation Form
4. Health Form

## **PROGRAM DESCRIPTION**

The Business of Engineering program is an intensive daytime summer program for talented high school students hosted by Hampton University's School of Engineering & Technology and the School of Business. The program involves an immersion of engineering projects intertwined with business practice. The program aims to stimulate interest in engineering and business by (1) demonstrating the interdependence of engineering and business in making real world choices, (2) introducing engineering methodology as a means of problem solving, (3) exposing students to the entertaining yet challenging world of engineering, (4) introducing students to cutting edge, computer-aided design software used to solve day-to-day problems. The program engages students in problem solving and team-building by incorporating participation in design contests, case studies, and educational field trips.

## **PROGRAM GOAL**

The goal is to introduce, expose, and stimulate student interest in engineering and business professions as a way to help initiate development of the future workforce in these fields. The opportunity will also allow students to make informed decisions about college and career.

## **PROGRAM OBJECTIVES**

- Broaden student's exposure to engineering and business professions.
- Demonstrate the interdependence of engineering and business in making real world choices
- Introduce engineering methodology as a means of problem solving
- Expose students to the entertaining yet challenging world of engineering
- Introducing students to cutting edge, computer-aided design software used to solve day-to-day problems.
- Develop student's teamwork skills

## **ELGIBILITY**

- Applicants must currently be in the ninth grade.
- Applicants must have a 3.0 minimum cumulative grade point average (GPA).
- Evidence of maturity, stability, adaptability and self-discipline in new environments.
- Admission to the program is competitive and based on academic record, essays and recommendations.

## INSTRUCTIONS

- Tuition (full scholarship)
- Important Dates
  - **PROGRAM SCHEDULE:** June 17 – June 28<sup>th</sup>, 2013
  - **NOTIFICATION :** Continuous until program is full
- Complete online pre-registration as soon as possible
- Submit the following items
  - Completed Application Form
  - Letter of Recommendation
  - Completed Participation Health Form
  - \$25 Non-Refundable Application/Registration fee
  - Mail Application package to:

**c/o Dr. Otsebele Nare**  
**Business of Engineering Summer Program**  
**School of Engineering & Technology**  
**Hampton University**  
**Hampton, VA 23668**

- Contacts (Program Directors)

**Dr. Otsebele Nare**  
[otsebele.nare@hamptonu.edu](mailto:otsebele.nare@hamptonu.edu)  
(757)727-5818 (phone)  
(757)727-5189 (fax)

**Dr. Ziette Hayes**  
[ziette.hayes@hamptonu.edu](mailto:ziette.hayes@hamptonu.edu)  
(757)727-5166 (phone)  
(757)727-5048 (fax)

# THE BUSINESS OF ENGINEERING

## PROGRAM APPLICATION

### APPLICANT INFORMATION

Name: \_\_\_\_\_ Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_

Street Address: \_\_\_\_\_ Unit/Apt #: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Cell Phone: (\_\_\_\_) \_\_\_\_\_

**Gender** (Circle One): Male Female Are you a US Citizen or Permanent Resident? Yes No

**T Shirt Size** (circle One): *Child:* S M L XL *Adult:* S M L XL XXL

Current High School: \_\_\_\_\_ **CUM GPA:** \_\_\_\_/\_\_\_\_

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

### PARENT/GUARDIAN INFORMATION

Name(s): \_\_\_\_\_ Relation: \_\_\_\_\_

Street Address: \_\_\_\_\_ Unit/Apt #: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Cell Phone: (\_\_\_\_) \_\_\_\_\_

*In Case of Emergency, in addition to person(s) listed above, contact:*

Name(s): \_\_\_\_\_ Relation: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_

Other Person(s) Authorized to pick-up child at the end of day: \_\_\_\_\_

ESSAY QUESTION

Please respond to the following question on a separate sheet of paper. Essays should be no longer than 250 words. *“Why are you interested in participating in The Business of Engineering?”*

TELL US MORE

We are interested in knowing more about your interest in engineering. Participation in specific activities is NOT a prerequisite for attending the camp. Answer the questions to the best of your ability.

*Have you taken any particular courses that have piqued your interest in business/engineering?*

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*Do you participate in any business/engineering clubs or organizations?*

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*Do you follow business/technology/engineering news on a regular basis?*

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*Have you participated in any business, engineering or technology competitions? Please list them.*

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*Have you worked in an engineering environment? If yes, where and what was your role?*

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*Is there anything else you would like us to know in considering your application?* \_\_\_\_\_

\_\_\_\_\_  
***Applicant Signature***

\_\_\_\_\_  
DATE

\_\_\_\_\_  
***Parent/Guardian Signature (required)***

\_\_\_\_\_  
DATE

## The Business of Engineering Informed Consent Form

Dear Parent(s) or Guardian(s)

While your son/daughter is participating in the **Business of Engineering** program and is involved in educational activities sponsored by the program, part of the activities will involve field trips. Also, we may collect additional information related to your son/daughter interest in business and engineering careers as well as information that will help improve the program for future participants. For these reasons, the **Program Director(s)** need your consent to approve these activities.

All costs incurred in field trips will be covered by the Program.

Sincerely,

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**PLEASE FILL IN THE FORM BELOW** (*a signed copy will be available for your records*):

I, \_\_\_\_\_, give my consent for \_\_\_\_\_ to  
*Parent(s)/Guardian(s)* *Student*

participate in the **Business of Engineering** activities.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
*Parent(s)/Guardian(s)*

HAMPTON UNIVERSITY  
HAMPTON, VIRGINIA 23668

Signature \_\_\_\_\_ Date \_\_\_\_\_  
*Program Director(s)*



## The Business of Engineering Reference Form

Thank you for providing a recommendation for \_\_\_\_\_ to participate in the Business of Engineering Program at Hampton University, a unique two-week program for rising sophomores that combines business and engineering.

To complete your recommendation, please fill out the form below. After completing this form, please place it in an envelope (not provided). Seal the envelope and sign it across the seal. You may remit this recommendation to the above named student or mail it directly to. **Dr. Otsebele Nare, Business of Engineering Summer Program, School of Engineering & Technology, Hampton University, Hampton, VA 23668.**

Please type or print neatly.

**FIRST NAME:** \_\_\_\_\_ **LAST NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**CONTACT PHONE NUMBER:** \_\_\_\_\_ **EMAIL ADDRESS:** \_\_\_\_\_

What is your relationship to the candidate?

Please tell us why this candidate should be selected for participation in the Business of Engineering Program at Hampton University (use additional pages if necessary).