

COLLEGE OF ENGINEERING

Summer Academic Enrichment Pre-College Program

**Engineering Concepts Institute** (E.C.I.)

June 8-July 3, 2015

**Application Deadline: Friday, April 25, 2015 (revised)**

The E.C.I. summer four-week residential academic enrichment program simulates the college experience -- students live in a dorm, eat in the cafeteria, attend classes daily, complete homework assignments, and attend a study group session each evening. The Institute provides an opportunity for students, who are mature and committed to educational excellence, to prepare for academic success, particularly in chemistry and math, in their first year as a college freshman at TSU. The highest achieving students will be eligible for consideration of scholarship assistance for their first year of college.

*Eligibility:* Students who graduate from high school in spring 2015, have been accepted to attend TSU in the fall 2014, and who plan to major in one of the following disciplines: Aeronautical and Industrial Technology (AIT), Civil or Architectural Engineering, Computer Science, Electrical and Computer Engineering, Mechanical and Manufacturing Engineering or Mathematical Sciences.

*Qualifications:* Students must have a cumulative High School GPA of 2.7 or higher, and, at a minimum, successful completion of the following courses: Algebra I and II, Chemistry, Pre-calculus or Calculus, or Advanced Math (i.e., Geometry, Trigonometry, etc). In addition, students must score at least a 21 on the math component of the ACT and an overall score of 21 on the ACT. The equivalent scores apply to the SAT. ***No exceptions.***

Costs: The cost is $250.00 (**non-refundable**) to be submitted upon notification of student’s selection for participation. The check or money order should be made payable to Tennessee State University and must be received by April 30, 2015. The College of Engineering will cover the cost of housing and meals for students selected to participate.

1. E-mail, mail or fax (615-963-5401) completed application packet to:

College of Engineering - Dean's Office

2015 Engineering Concepts Institute (E.C.I.)

Tennessee State University

3500 John Merritt Blvd., Box 9596

Nashville, TN 37209

1. The application packet must include the following documents (***note: incomplete application packets will not be considered***):

* Completed application form;
* One-page essay on what you want to do with your life and how this program will help you achieve your goal;
* Copy of high school transcript (*note:* *this transcript is in addition to the one submitted to the TSU Office of Enrollment Management for admission to the University*);
* Copy of ACT and/or SAT test scores; and
* Counselor recommendation form and one letter of recommendation from your math, computer science, pre-engineering or science high school teacher *(please use attached forms; submit in sealed envelopes).*



Application Form – **Deadline: April 25, 2015 (revised)**

ENGINEERING CONCEPTS INSTITUTE (E.C.I.)

Summer Academic Enrichment Program

June 8-July 3, 2015

Please type or print all information requested below. Your legal guardian’s signature is required.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TSU ID#: T00\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Last) (First) (Middle)

Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Gender: Male \_\_\_\_\_ Female\_\_\_\_\_\_ Age: \_\_\_\_\_\_

(Home #) (Cell #)

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

(Number and Street/Apt) (City) (State) (ZC)

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

Have you enrolled to attend TSU for the Fall 2014? \_\_\_\_\_ Yes \_\_\_\_\_Undecided \_\_\_\_\_ No

**Intended Major at TSU or in college** (please refer to TSU website -- [www.tnstate.edu](http://www.tnstate.edu) -- check ***all that apply***):

Aeronautical and Industrial Technology \_\_\_\_\_ Architectural Engineering \_\_\_\_\_ Civil Engineering \_\_\_\_\_

Computer Science \_\_\_\_\_ Electrical and Computer Engineering \_\_\_\_\_

Mathematics \_\_\_\_\_ Mechanical Engineering \_\_\_\_\_

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

(Name) (Phone: include area code) (Date of Graduation)

High School Address:

Test Scores: **ACT** English\_\_\_\_Math\_\_\_\_\_Science\_\_\_\_\_ Composite\_\_\_\_

**SAT**  Verbal \_\_\_\_\_ Math \_\_\_\_\_

Please indicate the grades you received in the courses listed below:

Algebra I\_\_\_\_\_\_\_\_\_ Trigonometry\_\_\_\_\_\_\_\_\_ AP Calculus\_\_\_\_\_\_\_\_ Chemistry\_\_\_\_\_\_\_\_\_

Algebra II\_\_\_\_\_\_\_\_ Pre calculus\_\_\_\_\_\_\_\_\_\_ Physics\_\_\_\_\_\_\_\_\_\_\_\_ Computer\_\_\_\_\_\_\_\_ \_

Geometry\_\_\_\_\_\_\_\_ Calculus\_\_\_\_\_\_\_\_\_\_\_\_\_ English (Sr.) \_\_\_\_\_\_\_ Pre-Engineering\_\_\_\_\_

Other STEM Courses\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent (legal guardian) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Last) (First) (Middle)

Parent (legal guardian) Work & Cell Phone Numbers: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I certify that all information provided on this application is complete, accurate, and honestly presented.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Applicant Parent/Guardian Signature

(see next page)

Awards and Activities--Please list all awards and/or activities in the order of their importance to you and check the year you received the award(s).

Award/Activity Fr So Jr Sr Position Held

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_ \_\_ \_\_ \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Others: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Engineering Concepts Institute (E.C.I.) – June 8-July 3, 2015**

HIGH SCHOOL COUNSELOR RECOMMENDATION FORM

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

Please make comments which you feel would help us to evaluate the student's ability to benefit from the program to which he/she is applying.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Because the student will be on a college campus for four weeks, is the student’s level of maturity appropriate for a mature college preparatory program?

[ ] Yes [ ] No

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone: (\_\_\_\_) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: (print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

##### Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Application Deadline: April 25, 2015 (revised)**



# Engineering Concepts Institute (E.C.I.) – June 8 – July 3, 2015

**HIGH SCHOOL TEACHER** RECOMMENDATION FORM

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

Courses taught: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please make comments which you feel would help us to evaluate the student's ability to benefit from the program to which he/she is applying.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Because the student will be on a college campus for four weeks, is the student’s level of maturity appropriate for a mature college preparatory program?

[ ] Yes [ ] No

Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone: (\_\_\_\_) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: (print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State: \_\_\_\_\_\_\_ Zip: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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