The College of Engineering at the University of Tennessee in Knoxville is implementing a summer engineering program for students during the summer of 2016 entitled “High School Introduction to Engineering Systems for 12th Graders (HITES12).” HITES12 is a one-week residential program for rising twelfth grade students. All students are encouraged to apply. Our mission is to provide students who show an interest in engineering studies an early exposure to and preparation for scientific study and research.

Why Should I Attend HITES12?
• Learn about majors in UT engineering
• College life experience
• Tour engineering labs and facilities
• Compete in engineering challenges
• Cultivate new friendships
• Jump start my academic career
• Spend a week living on a college campus
• Design/build an engineering project

Thirty-two students will be selected to participate in the program to be held July 10-15, 2016. Hands-on activities will spark an interest in the world of engineering and allow students to explore career opportunities. Throughout the program, participants will be challenged to apply what they have learned in engineering competitions. Participants will receive room and board at no cost. All applicants must have a minimum ACT math score of 25 (SAT math score of 570). Counselors will assist with program activities and supervision of participants.

NO FAXES OR EMAILS WILL BE ACCEPTED.

Applications must be received by Friday, April 15, 2016
Part I: Personal Background Information
Name: ________________________________ Phone: ________________________________
Address: _____________________________ City: ________________________________
State: __________________ ZIP Code: ______________ Date of Birth: ____________________
Gender (select one): __ M __ F U.S. Citizen: _____Yes_____ No
Email: ______________________________ GPA: ____________
Ethnicity: ____________________________
Shirt size (select one): __S __M __L __XL __2XL __3XL
Parent/Guardian Name: ________________ Home Phone: _________________________
Employer: ____________________________ Work Phone: _________________________
Anticipated Major: ____________________ Are you interested in attending UT: ________

Part II: Academic Information
Please include in the application packet a copy of your high school transcript and ACT/SAT scores.

Part III: Math and Science Teacher Reference Forms
Please have teachers complete the attached reference forms. Include the forms in the application packet.

Part IV: Short Essay
Please answer the following questions in a 350 minimum word essay on a separate sheet of paper (type only). Include the essay in the application packet.

Describe a significant event in your life that has impacted your decision to pursue a career within engineering. What are you looking to gain by participating in the HiTES12 program? How do you plan to use your engineering career? Please list your top three choices of engineering schools you apply to and why.

Part V: Acknowledgement
I understand that if I am selected for the HiTES12 program, my Parent/Guardian and I must attend orientation on Sunday, July 10, 2016. I acknowledge that I have read this application and affirm that the information included is true and may be verified.

__________________________________________     _________________________
Student Signature                           Date

__________________________________________     _________________________
Parent/Guardian Signature                   Date

Please complete all sections before submitting; incomplete applications and applications submitted by fax or e-mail will not be accepted. All application packets must be received by mail only no later than Friday, April 15, 2016.
11th Grade Science Teacher Recommendation Form

Confidential

Information Provided by Applicant

TO THE APPLICANT: Type or print your name and address below and give this form to a science teacher from your school who knows you well enough to evaluate your ability and your potential for success as a student. Be sure to pick up your form in a sealed envelope and mail it with your application.

“I hereby waive any rights I may have to examine this confidential information.” ____________________________  
Applicant’s Signature

Student Applicant’s Name (printed) ________________________________ Date _________________
Current Address _____________________________________________  Telephone ________________
City _______________________ State _____________  Zip _____________  E-mail _______________

Information Provided by Recommender

TO THE RECOMMENDER: Please complete the form and enclose in a signature sealed envelope. Please return to applicant once completed.

1. I have known the applicant as: _____ student _____ research assistant _____ other-specify: ____________
2. I have known the applicant for a period of _____ years _____ months in my position as ________________.
3. Rate the applicant on the characteristics (A-N) by inserting a number (0-9) corresponding to the appropriate point on the scale.

No Basis for Judgment   Low   Average   High
0   123   456   789
A.  ____ Motivation for course work  H.  ____ Resourcefulness
B.  ____ Intellectual ability  I.  ____ Emotional maturity
C.  ____ Creativity/ingenuity  J.  ____ Cooperation
D.  ____ Breadth of general knowledge  K.  ____ Interest in math
E.  ____ Oral expression  L.  ____ Interest in science
F.  ____ Written expression  M.  ____ Promise as a future scientist
G.  ____ Initiative  N.  ____ Promise as a future engineer researcher

4. Applicant’s ability to set realistic & attainable goals is

5. Applicant’s commitment to his or her education is

6. In my opinion, the applicant’s chances of succeeding in college are:

7. Relative to most students at this level, I consider the applicant:

8. I recommend this applicant

Comments ____________________________________________________________________________
___________________________________________________________________________________
______________________________________________Date ________________
Signature of Recommender

Name (please print) ________________________________  Title ______ Organization __________________
Address _________________________________________  Phone ________________  E-mail _______________
11th Grade Math Teacher Recommendation Form

Confidential

Information Provided by Applicant

TO THE APPLICANT: Type or print your name and address below and give this form to a math teacher from your school who knows you well enough to evaluate your ability and your potential for success as a student. Be sure to pick your form up in a sealed envelope and mail it with your application.

“I hereby waive any rights I may have to examine this confidential information.” ____________________________

Applicant’s Signature

Student Applicant’s Name (printed) ________________________________ Date _________________

Current Address _____________________________________________ Telephone _____________

City _______________________ State _____________  Zip _________    E-mail _______________

Information Provided by Recommender

TO THE RECOMMENDER: Please complete the form and enclose in a signature sealed envelope. Please return to applicant once completed.

1. I have known the applicant as: ____student ____research assistant ___other-specify: ____________

2. I have known the applicant for a period of ____ years ____ months in my position as____________________.

3. Rate the applicant on the characteristics (A-N) by inserting a number (0-9) corresponding to the appropriate point on the scale.

No Basis for Judgment Low Average High
0 123 456 789

A. ___ Motivation for course work
B. ___ Intellectual ability
C. ___ Creativity/ingenuity
D. ___ Breadth of general knowledge
E. ___ Oral expression
F. ___ Written expression
G. ___ Initiative
H. ___ Resourcefulness
I. ___ Emotional maturity
J. ___ Cooperation
K. ___ Interest in math
L. ___ Interest in science
M. ___ Promise as a future scientist
N. ___ Promise as a future engineer researcher

4. Applicant’s ability to set realistic & attainable goals is

5. Applicant’s commitment to his or her education is

6. In my opinion, the applicant’s chances of succeeding in college are:

7. Relative to most students at this level, I consider the applicant:

8. I recommend this applicant

Comments ___________________________________________________________________________ ___________________________________________________________________________

___________________________________________________________________________________

___________________________________________________________________________________

___________________________________________________________________________________

Signature of Recommender ________________________________________________Date ____________

Name (please print) ___________________________________________ Title ___________ Organization __________________________

Address ___________________________________________ Phone _____________ E-mail ___________________________