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 11th Graders (HITES11).” HITES11 is a one-week residential program for rising eleventh 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 computing and research.

Why Should I Attend HITES11?
• Learn about computing 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 17-22, 2016. Hands-on activities will spark an interest in the world of engineering and allow students to explore computing 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: ______
List any programming or computer skill: ______________________________________

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 how computing fields have impacted your decision to pursue a career within engineering. What are you looking to gain by participating in the HITES11 Program? How do you plan to use your engineering career?

Part V: Acknowledgement
I understand that if I am selected for the HITES11 program, my Parent/Guardian and I must attend orientation on Sunday, July 17, 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.
10th 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 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

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
   ___ excellent ___ good ___ fair ___ poor
5. Applicant’s commitment to his or her education is
   ___ excellent ___ good ___ fair ___ poor
6. In my opinion, the applicant’s chances of succeeding in college are:
   ___ excellent ___ good ___ fair ___ poor
7. Relative to most students at this level, I consider the applicant:
   ___ excellent ___ good ___ fair ___ poor
8. I recommend this applicant
   ___ moderately ___ enthusiastically ___ very enthusiastically

Comments ___________________________________________________________________________
_________________________________________________________________________________

Signature of Recommender ________________________________________________ Date ____________

Name (please print) __________________________________ Title _____ Organization __________________________
Address ___________________________ Phone _____________ E-mail __________________________
10th 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-specified: ____________
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 1 2 3 4 5 6 7 8 9
   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 _______ excellent _____ good _____ fair _____ poor
5. Applicant’s commitment to his or her education is _______ excellent _____ good _____ fair _____ poor
6. In my opinion, the applicant’s chances of succeeding in college are: _______ excellent _____ good _____ fair _____ poor
7. Relative to most students at this level, I consider the applicant: _______ excellent _____ good _____ fair _____ poor
8. I recommend this applicant _______ moderately _______ enthusiastically _______ very enthusiastically

Comments ___________________________________________________________________________
_________________________________________________________________________________

Signature of Recommender ____________________________________________________________ Date __________

Name (please print) ___________________________________________Title __________ Organization _____________
Address ___________________________________________________ Phone __________ E-mail _______________________