

BYU Technology & Engineering Studies

IRA A. FULTON COLLEGE OF ENGINEERING

Technology and Engineering Studies Application

Thank you for your interest in the Technology and Engineering Studies program at Brigham Young University. The Technology and Engineering Studies (TES) program is a dynamic major where the primary objective is to prepare students with the skills and knowledge needed to join one of the largest professions in the United States, teaching. It also allows students to qualify for work in related technology and engineering fields. The following classifications further clarify the distinctions between TES-Teaching and TES-Technical:

Teaching: *The demand for technology teachers is greater than the supply. Technology and engineering educators prepare students for engineering and technology careers by teaching them practical engineering principles as well as skills in creativity, design, invention, innovation, collaboration, and teamwork. More specifically, the teaching emphasis prepares and licenses individuals to teach in secondary education.*

Technical: *With advancements in technology and engineering there is a greater and greater need for skilled individuals in the workforce. Students who graduate from this major will be well prepared to enter their chosen area and continue to learn, lead, and innovate. Such areas include photography, videography, graphic design, prototyping, robotics, electronics, drafting, and engineering.*

Each emphasis will require a process of admittance into the program. A meeting with the academic advisors in the Crabtree Advisement Office will be essential to determine your interest in each emphasis and to learn of these processes. You will also need to complete the [TES Prospective Major Questionnaire](#) prior to, or during your meeting with the academic advisor.

Teaching Emphasis Application Process

Candidates interested in the teaching emphasis will be declared in a pre-teaching major that will allow them to begin the course work required for admittance into the professional teaching program through the McKay School of Education. In meeting with your academic advisor, you will discuss which academic levels you are interested in teaching, as well as specific areas in technology you are considering to teach such as electronics, robotics, video production, web development, and so on.

Technical Emphasis Application Process

With the technical emphasis, it is essential that those who pursue this emphasis have well established career goals. The purpose of this application is to provide insight to the faculty what those goals are, and provide you the opportunity to articulate what those goals are.

Prior to this, you must meet with the advisors in the Crabtree Advisement Office to discuss your unique academic and career goals. You will also want to be sure to answer the [TES Prospective Major Questionnaire](#). Once you and your advisor have determined your proposed degree plan, you will need to complete the admission application in its entirety.

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Please use the admission degree proposal document instructions as a guide for your proposal. The faculty will evaluate your proposal you submit based on these instructions for your recommendation into the program.

Proposals will be evaluated on the 15th of each month by the faculty. This may be followed by an interview with a faculty member to discuss your application. Once it has been recommended by the faculty for you to proceed within the program, your major will officially be declared as Technology and Engineering Studies.

Any questions regarding this application, please contact the advisors in the Crabtree Advisement Office. Here is their contact information.

Crabtree Advisement Office: 265 CTB
Brigham Young University
(801) 422-1818
ctb_advisement@byu.edu

Admission Degree Proposal Instructions

As part of your admission application for the Technology and Engineering Studies degree, please address the following questions in a 1-2 page proposal. Make your proposal as well-written, grammatically correct, and thorough as possible. This proposal helps the faculty know whether or not the TES degree is right for you. Your ability to express in writing why the degree is right for you is one of several factors that will be considered regarding recommendation for admission into the TES – Technical degree.

Use the following format when writing your proposal. If the correct format is not used, the application process may be delayed.

- Title your paper: Admission Degree Proposal for TES – Technical
- 11-point font and the standard default font (Arial, Calibri, Calibri Light, Times New Roman)
- Use single space block paragraphs and double space between paragraphs
- Use bold title and sub-titles for each section in your responses
- Approximately 1-2 pages
- Insert footer with your Last name, Date, Page numbers

Explain to the committee why you are interested in the TES – Technical Degree. Please be as specific as possible in addressing the questions. Be sure to follow the formatting requirement and use the questions below as a guide.

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1. Describe your Educational Experience and Professional Goals
 - a. Begin by describing your educational experience up to this point, and end with how the TES – Technical degree will help you effectively pursue your personal, educational, and/or professional goals.
 - b. and/or professional goals.
2. Explain why existing majors do not address educational and professional goals.
 - a. Make a well-reasoned and compelling case for why existing majors do not support educational and professional goal
3. Outline a Plan of Study
 - a. Describe your proposed plan of tech electives, and how they relate to your personal, educational, and/or professional goals.
4. Identify Ideas for Internship
 - a. When identifying a potential internship, choose one or two possible projects or areas of interest you might like to pursue.
 - b. Where will you potentially intern? What type of work will you be doing? What will you learn during the internship?
5. Describe future Plans
 - a. What are your post-baccalaureate (post-college) goals?
 - b. How do your ideas for your internship intersect with your course work and current interests to help you accomplish these goals?