INTERNATIONAL ENGINEERING - CERTIFICATE

This certificate prepares engineering students for the global industry by developing essential cross-cultural skills and international awareness, enhancing their professional effectiveness.

Today's engineering industry is global and interconnected with supply, demand and service providers located around the world. An effective engineer in this global environment is one that complements their core technical knowledge with excellent cross-cultural competencies and international exposure. Students completing the International Engineering Certificate will be better prepared to join the global job market they will face following graduation. The International Engineering Certificate is only available to undergraduate, engineering degree-seeking students within the Texas A&M University College of Engineering. The certificate is annotated on the student's permanent transcript. Students completing the International Engineering Certificate will be better prepared to work effectively (professional, productive and culturally sensitive) as an engineer in multicultural and multidisciplinary work environments. By completing the certificate, students will learn to:

- Integrate and apply skills required to solve an engineering design problem considering different perspectives;
- Understand intercultural differences and similarities, and their relevance to effectiveness in the workplace;
- Apply intercultural knowledge for self-knowledge/improvement (Intrapersonal competence);
- Apply intercultural knowledge for effective teamwork (Interpersonal competence).

The International Engineering Certificate may be completed by students pursuing College of Engineering degree programs and requires completion of three credit hours of coursework with an international experience.

For additional information, contact the Halliburton Engineering Global Programs Office via email at engineeringglobalprograms@tamu.edu, via phone at (979) 862-5880, or in-person at the Zachry Engineering Education Complex, Suite 410.

Program Requirements

Code	Title	Semester Credit Hours
Required Courses [1]		
Global engineering design		3
Select one of the following:		
ENGR 410	Global Engineering Design [2]	
Pre-approved 200 level or above engineering course with a significant international component [3]		
International engineering experience [4]		
Cultural discourse [5]		3
International and cultural diversity [6]		3
International experience [7]		3
Language [8]		3
Total Semester Credit Hours		**15**

1. No course may be used more than one (1) time to fulfill certificate requirements.
2. Course only offered in the Fall term.
3. Pre-approval must be requested and granted prior to course completion. The Director of Halliburton Engineering Global Programs, the respective course faculty, and the student must meet to determine the specific course content or project that will suffice the "significant international component" requirement.
4. After the International experience component is satisfied, engineering course credit received on a study abroad program, international field trip, international internship, international research experience, or another approved course or field experience may be used to fulfill this requirement.
5. To be selected from approved Cultural Discourse (https://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/) courses.
6. To be selected from approved International and Cultural Diversity (https://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/) courses. Course listing can be found at icd.tamu.edu.
7. May be satisfied by course credit received on a study abroad program, international field trip, international internship, international research experience, or another approved course or field experience.
8. Three (3) credit hours of a 200-level or higher course in a single language. Students are not allowed to use English to fulfill this requirement unless the TOEFL was required for their admission to Texas A&M University. If the TOEFL was required for their admission, students may use ENGL 210 to fulfill this requirement. Students may obtain course credit for this requirement by accepting AP credits or credits obtained through the on-campus language proficiency exam onto their transcript.