The objective of this minor is to provide engineering, computer science and engineering technology students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today's global economy in which employers look for graduates with international experience in their major area.

**Admission Requirements**
Admission by interview with the Program Director

**Credit Hour Requirements**
18-20 hrs

The International minor in Engineering, Computer Science, or Engineering Technology is composed of three parts:

1) **Language Skill Acquisition**

   (6-8 hrs)

   It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in which English is widely spoken.

   If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of:

   - IDS 3333 - World Comparative Studies - 3 credits
   - GEO 3471 – World Political Geography – 3 credits
   (Or an equivalent approved by the program coordinator)

2) **Cultural Courses**

   (3 hrs)

   It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of three ways, in decreasing order of preference:

   1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.

   2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

   3) If such a mapping cannot be made, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

3) **Study Abroad Experience**

   (9 hrs)

   The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:

   1) complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad, or
   2) complete 6 hours of technical coursework in residence
(classroom studies) at a partner institution abroad, plus one semester (3 hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalences of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

**Other Requirements**

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
  - Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.