**Goals:** Need each major to designate international research components and identify elements suitable for program. Experiences, interests, goals should be clearly linked to major and to GO goals and should be part of recruiting and early-stage advising.

**Structure:** Participate in **X of Y experiences (# credits?)**. Have coherence among the elements.

Proficiency in language.If you choose this option, has to be non-natal language or non- English.

(would need to choose other elements if in UK). Transfer proficiency or placement allow them to do this with fewer restraints on scheduling.

Meaningful, culturally immersive experience. Interpersonal academic interactions, cultural practices, etc. Study Abroad or Research abroad could be expanded to cover this. If not a credited experience or if an experience that is not inherently cultural, there can be some additional component that highlights the cultural practices. Lab culture. Could be research.

**What about kids who can’t go abroad?** Meaningful cultural or international experience (clinic or program for non-English speakers)—service learning style? Offer a menu of volunteer, service learning options. Communities of Faith—organize e.g., science fair or provide some outreach content relevant to the field or study (prefer students to be engaged in exchange, not just doing their own thing on this platform—not “missionary-style” but for them to serve and learn)? Serving foreign student organizations (tutoring services? How to make this relevant to the major in STEM?) Translate interpretative materials into Spanish, etc? Serve Gateway project to develop connections with scientific programming in gateway cities/regions?

All immersive experiences will include some reflection on the experience. Should/Could count this towards the GE category. Needs to be sustained (at least one term) and “listening” focused. Could be left open ended, such that student generates a proposal; OIA approves and consults with major. OIA can have a data bank of possible projects.

Historical, political, cultural perspective on chosen region or country (at least 1 at 2000+ level). Can count as GE towards History, Diversity, etc.

Enroll in a 1 credit class at the beginning of their experience (freshman year-like Honors) and another 2-credit after global experience (spring) The beginning experience class could be taught by OIA staff and is analogous to the advising class that students take. Or as a freshman seminar co-taught by faculty and staff? That corrals all the students who have completed the competencies. CLCC is a good option for this. Help them to connect dots between the courses and the experiences. This is analogous to the “Academic experience” in the Fisher example.

Big issue for this program is to understand and then articulate what it means to have a globally-informed major in STEM fields? What are the overlap/points of contact between these majors and Global issues? Funding of research/education, regulation of research, practice and implementation of application of field (energy, conservation, medicine); natural resources, history of field.

**Background information and materials**

Goals (per OIA)

Combining major with strong international enhancement

Increasing educational attainment with international experience and global perspectives

Developing a set of global skills2 to a higher performance level

Preparing for a transnational competitive work environment with global challenges

Combining academic achievement with active experience and applicati

GO-ENGR

1. Understanding of global cultural diversities and their impact on engineering decisions.

2. Ability to deal with ethical issues arising from cultural or national differences.

3. Proficiency in a second language.

4. Ability to communicate across cultural and linguistic boundaries.

5. Proficiency in working in an ethnically and culturally diverse team.

6. Understanding of the connectedness of the world and the workings of the global

economy.

7. Understanding of the international aspects of engineering topics such as supply chain

management, intellectual property, liability and risk, market and product design

considerations, and business practices.

8. Familiarity with the history, government, and economic system of several target countries.

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