



To: Randy Smith, Vice Provost for Academic Programs, Office of Academic Affairs
From: Cory Matyas, Assistant Dean for Curriculum and Assessment
Date: September 1, 2026

The Humanitarian Engineering minor proposes removing CRPLAN 5798 and EDUCST 5189 from the Humanitarian Engineering Minor's pre-approved Community Based Learning Experience options, while allowing students to petition to use a relevant offering on a case-by-case basis. The update also identifies ENR 5797.09 as applicable to the Global Perspectives category for students in the approved Tanzania: Zanzibar Coastal Ecology and Natural Resource Management program. The minor will remain a minimum of 15 credit hours.

The department requests that this change is effective immediately.

The Engineering College Committee on Academic Affairs met on September 1, 2026 and reviewed this proposal as an informational item. There were no questions or concerns and a College-level record of support for this proposal was created.

Please find details attached.



Date: August 5, 2026

To: College Curriculum Committee / CCAA

From: College of Engineering

Re: Proposed Revision to the Humanitarian Engineering Minor (HUMENG-MN)

Requested Effective Date: Autumn Semester 2026 (or the next available catalog year following approval)

Summary of Proposed Changes

The College Engineering requests approval of revisions to the Humanitarian Engineering Minor curriculum sheet.

Specifically, the proposal:

1. Removes the following courses from the **Community Based Learning Experience** category:
 - **CRPLAN 5798**
 - **EDUCST 5189**
2. Informational note for the **Global Perspectives** category: **ENR 5797.09** may be applied to the Humanitarian Engineering minor when students participate in the approved study abroad program "SIT-Tanzania: Zanzibar Coastal Ecology and Natural Resource Management."

The courses CRPLAN 5798 and EDUCST 5189 will no longer appear as pre-approved options on the curriculum sheet. Instead, students seeking to apply either course toward the minor may petition for approval on a case-by-case basis through the established course approval process.

Rationale for the Change

The Humanitarian Engineering Minor is intended to provide students with community-based learning experiences that align directly with the learning outcomes and objectives of the minor.

Although CRPLAN 5798 and EDUCST 5189 have previously been used by some students to fulfill minor requirements, both course numbers support a variety of programs, topics, and experiential learning opportunities. As a result, not all offerings under these course numbers



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are relevant to humanitarian engineering, sustainable development, community engagement, or the broader goals of the minor.

Removing these courses from the list of pre-approved options will allow the program to evaluate individual student experiences and ensure that only offerings with a clear and appropriate connection to the Humanitarian Engineering Minor are applied toward degree requirements.

The addition of ENR 5797.09 for students participating in the SIT-Tanzania: Zanzibar Coastal Ecology and Natural Resource Management program recognizes a study abroad experience that strongly supports the minor's emphasis on global perspectives, sustainability, environmental stewardship, and community engagement in an international context.

Impact on Students

The proposed change is expected to have minimal impact on students.

- Students will continue to have multiple approved options available to satisfy the Community Based Learning Experience requirement.
- Students who wish to use CRPLAN 5798 or EDUCST 5189 may still do so with departmental approval when the specific offering is determined to be relevant to the Humanitarian Engineering Minor.
- Students participating in the SIT-Tanzania: Zanzibar Coastal Ecology and Natural Resource Management study abroad program will have a clearly identified pathway to apply ENR 5797.09 toward the **Global Perspectives** category of the minor.

Change to Total Credit Hours Required – No change.

The Humanitarian Engineering Minor will continue to require **a minimum of 15 credit hours**.

Requested Effective Date

The department requests implementation beginning Autumn Semester 2026 (or the next available term permitted by the curriculum approval timeline).

Please feel free to contact me at callihan.23@osu.edu if you require any additional information.

Sincerely,

Leslie Callihan

Director of International Initiatives in Engineering
The Ohio State University
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**The Ohio State University
College of Engineering
Department of Food, Agricultural and Biological Engineering
Humanitarian Engineering Minor (HUMENG-MN)**

Faculty Program Lead:

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The Humanitarian Engineering Minor educates students on the application of science and engineering to address complex societal challenges with an emphasis on collaborating with communities to achieve their desired vision of well-being through a curriculum grounded in proven theories and best practices of sustainable development, applied engineering and socio-cultural learning experiences. The program aims to educate engineers in the co-definition, co-conceptualization of solutions, and co-implementation of projects with individuals or communities.

The Humanitarian Engineering Minor consists of 15 credit hours of course work as listed below. Some courses may have prerequisites; please consult the Course Catalog before enrolling.

Core Courses (2 courses; minimum 6 CH)

Choose at least two courses from the following list:

ANTHROP/EOB/FABENG 5505 (3) – Wicked Science
CIVILEN 5610.01/FABENG 5260.01 (3) – Sustainable WaSH
Infrastructure for Developing Rural Communities
CIVILEN 5610.02/FABENG 5260.02 (3) – Safe Water on Tap
ECE 5050 – Humanitarian Engineering (3)
FABENG 3210 (3) – Introduction to Humanitarian Engineering*
FABENG 5200 (3) – Appropriate Technologies for Developing Countries

*It is recommended that students who choose FABENG 3210 to meet this requirement *also* enroll in FBEENG 3211 (1), though this supporting course does not count toward the minor requirements.

Global Perspectives Courses (1 course; 3-4 CH)

Choose one course from the following list:

Development – AEDECON/ENR 2500 (3), AEDECON/INTSTD/ PUBAFRS 4535 (3), CRPLAN 3500 (3), CRPLAN 4597 (3), ECON 4130 (3), GEOG 5700 (3), RURLSOC 3580 (3)
Food – AEDECON/INTSTD 2580 (3), AEDECON/INTSTD 4532 (3), EARTHSCI 3411 (3)
Water - AEDECON/INTSTD 4532 (3), EARTHSC 3411 (3), HISTORY 2704 (3)
Health - PUBHLTH 2010(H) (3)
Cultural Competency - ESHESA 2577 (3), COMLDR 3535 (3), FRIT 3054 (3)
Other - GEOG 3701 (3), GEOG 3800 (3), POLITSCI 4282 (3), SOCIOL 3302 (3), SOCIOL 3306 (3), SOCIOL 2463 (3), SOCIOL 3597.01 (3)

Community Based Learning Experience (1-3 courses; min. 3 CH)

Choose one course from the following list:

CIVILEN 4011/4012 (4) (if not used for Culminating Project)
ENGR 2797/5797.xx(S) (0.5-12)
FABENG 3200S (3)
FABENG 4900/4910 (6) (if not used for Culminating Project)

Culminating Project (1-3 courses; minimum 3 CH)

Eligible students will work on a culminating Community Impact Project through participation in the Global Capstone Design Sequence (CIVILEN 4011/4012 or FABENG 4900/4910). Students who are not eligible to take CIVILEN 4011/4012 or FABENG 4900/4910 may instead enroll in an approved Individual Studies (x193) or Undergraduate Research (4998(.xx)(H)) course. Work is typically completed in last year before graduation.

Humanitarian Engineering minor guidelines:

Credit hours required: A minimum of 15 credit hrs. 1000 level courses shall not be counted toward the 15 credit hr minimum. At least 6 credits must be upper-level courses as defined by the College of Engineering.

Transfer and EM credit hours: A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE: A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s): The minor must be in a different subject than the major. The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).

Grades required:

- Minimum C- for a course to be listed on the minor
- Minimum 2.00 cumulative GPA for all minor course work.
- Course work graded Pass/Non-Pass cannot count on the minor
- No more than 3 credit hours of course graded Satisfactory/Unsatisfactory may count toward the minor

X193 credits – No more than 3 credit hours.

Declaring the minor

In order to declare the minor, students must meet with [name and/or position of academic advisor(s) and/or faculty advisor(s)] prior to the filing of the graduation application. Please use [OnCourse](#) or email Kelli Whitcomb.66 to make an appointment.

Approval of Coursework

Initial approval of the minor coursework:

Students who complete the minor following the guidelines on this sheet need only verify with their academic advisor that the minor appears complete on the degree auditing system. No approval from the [College of Engineering](#) is required.

Approval for courses not listed on this form to apply to the minor program:

Students must obtain the approval of the [College of Engineering](#) to apply courses not listed on this form toward the Humanitarian Engineering minor. Please email Dr. Patrick Sours (sours.17@osu.edu) to request approval.

College of Arts and Sciences
Curriculum and Assessment Services
306 Dulles Hall, 230 Annie and John Glenn Ave
<http://artsandsciences.osu.edu>
Rev approved CAA 6/22/22
Update 7-25-22 RLS
Rev approved CAA 03-30-2026
Update 06-09-2026 RLS

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EDUCST 5189 (3-5)