

## Shultz Family Leadership in Humanitarian Engineering Fund

### SCHOLARSHIPS FOR 2020-2021

Deadline for submissions: Sunday April 12

**Goals:** These scholarships reward **students enrolled in the Humanitarian Engineering (HE) program – the Engineering for Community Development (ECD) minor, the Leadership in Social Responsibility (LSR) minor, or either of the two HE focus areas of the BSE** – to serve as program ambassadors and to seek new opportunities for collaboration with faculty, alumni, peer students, corporations and NGOs.

**Program size:** HE will award between four and five scholarships for the 2020-2021 calendar year. Each scholarship will be approximately \$8,500 per semester (equivalent to the cost of one semester of in-state tuition and fees). **Scholarships will be awarded in the Fall semester, and continuity for the Spring semester will be assessed depending on performance** and commitment to the mission and values of the HE Program. Preference will be given to students who have not previously received the scholarship, but previous recipients can apply and will be considered.

#### Timeframe:

- **April 12:** Deadline to apply via email to Julia Roos, HE Associate Director (jroos@mines.edu)
- **April 13-17:** Committee reviews applications
- **April 20:** Awards announced & plans made to meet virtually with current Shultz Scholars
- **August:** Scholarship funds transferred to students' accounts
- **November:** Assessment of performance and commitment to decide on scholarship continuity for Spring, including participation in group Shultz Scholars project (details below)

**Eligibility:** To be eligible to compete for these scholarships, **students MUST:**

- **Be enrolled in any of the HE program areas: the ECD minor, the LSR minor, or the Community Development or Corporate Sustainability focus areas of the BSE, and**
- Have a minimum GPA of 2.8

**Required Application Contents to be submitted by email to [jroos@mines.edu](mailto:jroos@mines.edu):**

1. An **original essay** addressing one of the prompts below (500-1,000 words; PDF format)
2. An unofficial copy of your undergraduate transcript **showing enrollment in the HE program areas** (pdf) or a copy of your paperwork to demonstrate your enrollment is in progress (*please note: your paperwork must be completed by the end of the Fall semester to retain eligibility for your spring scholarship*)
3. A **project idea** based on HE themes and principles for the Shultz Scholars to work on through the Fall and Spring that will encourage cross-campus collaborations with other programs and clubs, drive visibility of HE and support recruitment of undergraduate students. The HE leadership team will select the final project from among the projects proposed by each Shultz Scholar.

**Selection criteria:** Successful applicants will submit an essay that responds to one of the following prompts:

- How engineering can address the issues that **poor communities** in Colorado face (e.g., housing, energy, transportation, child care, recreation facilities, differential treatment for COVID-19, etc.).
- How engineering can address the challenges that **students with disabilities** face when studying in traditional learning environments.
- How we can make Mines more inclusive for **low-income/first-generation engineering students**.



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- **A topic of your choosing** that addresses HE themes and areas of practice (e.g., sustainable community development, corporate social responsibility, community engagement, social innovation, etc.)
- **If you have received a Shultz scholarship in the past**, write a summary of what you have done as a scholar, what impact your work has had on the HE program, and what you plan to do to keep the momentum going.

*Essays will be judged on originality, sophistication of thought, clarity in presentation, and commitment to HE themes.*

**Expectations:** Given the privilege of receiving such a generous scholarship, Shultz Scholars will be expected to be flexible and open-minded in dedicating time to their ambassador role (ranging between 3-6 hours per week) by:

- **Promoting HE on campus and recruiting new students** (including at events such as lunch and learns, Discover Mines, Preview Mines, CSM 101, SRSE and EWB meetings, alumni events, etc.); writing for and publishing a newsletter; participating in SRSE, the HE student club; and showcasing their work in conferences or other venues.
- **Seeking out opportunities and collaborations** with faculty, graduate and undergraduate students, and alumni in design projects, research, and outreach.
- **Supporting the group Shultz Scholars project** that the whole team will lead throughout the academic year.
- **Coordinating activities and meeting weekly** with the HE Associate Director and faculty.
- **Being willing to mentor** younger HE students as an upperclassman and following graduation, depending on the alignment of your interests and goals.

**Additional Opportunities:** In addition to the generous tuition funding, your participation in the Shultz Scholarship program gives you other opportunities for involvement and recognition. These include:

- **Preferential consideration** for additional travel, conferences, and project support funding.
- **Serving as the president** of the HE student club Socially Responsible Scientists and Engineers. One Shultz Scholar will be nominated and will have the opportunity to select guest lecturers and club activities.
- **Leading the Shultz Scholar's annual project.** If your project idea is selected as the final project for the Shultz Scholars to work on throughout the year, you will be recognized as the project leader. However, this does **not** mean you will have additional responsibilities, but rather, you will have additional support to plan the project's direction and impact.

Outstanding Shultz Scholars will also be considered for further recognition and possibly financial awards by the HE Program and EDS Division.

