Current Annual Gift Needs for the Program for Women in Science and Engineering

**Taking the Road Less Traveled Career Conferences**
PWSE offers six one-day conferences each year for girls in grades 6–12. The conferences introduce students to a wide range of career options in science, engineering, and technology. The students participate in seminars and hands-on sessions with scientists and engineers. Participants pay a nominal fee to help cover some of the cost of their food/meal. However, the remaining food expenditures and program costs (room rentals, AV charges, printing, speaker meals, scholarships for students with financial need, etc.) are covered by donations from individuals, companies, and foundations.

**Annual external support needed:** $50,000

**Student Role Model Program**
The goal of this program is to excite K-12 grade students about science and engineering through their involvement in hands-on activities. Undergraduate students in science and engineering, serving as role models, go out to classrooms, community organizations, and after school/summer programs and lead students in hands-on activities related to science and engineering. A particular emphasis is to involve a high percentage of female and minority students in these programs. Nearly 9000, K-12 grade, students were served by this program during the academic year. Approximately 65% of the students reached are female and 15% are ethnic minority students. Funding is needed for salaries for student role models, travel, and materials to use in hands-on activities.

**Annual external support needed:** $40,000

**WiSE Learning Communities**
The Women in Science and Engineering (WiSE) Learning Communities provide living and learning opportunities for first-year, second-year and transfer students. The communities incorporate residence living options for students, clustering them together on selected residence hall floors and/or university apartments, clustering in common course sections, and/or participating in seminar courses. Since its beginning in FY96, the WiSE program has grown from 52 women to serving nearly 400 students each year. A wide range of programming is offered to students participating in the WiSE living option, ranging from dinners with professors, industry visits, tutoring, seminars, leadership development retreats, and social activities. These programs are aimed at easing the transition to college and creating a successful environment for women students to succeed. Assessment data from the Office of the Registrar show that women in science, technology, engineering and math (STEM) majors who participate in the WiSE first-year learning communities are twice as likely to be retained in STEM fields compared to women not participating in a learning community. Funding is needed to support the wide range of activities and programming offered to 400 participants and to support the graduate students who work with the peer mentors.

**Annual external support needed:** $75,000

www.pwse.iastate.edu
Academic Support Programming
PWSE partners with Tutoring services to provide small group tutoring sessions for students in STEM courses, helps cover the costs of academic tutoring for learning community students, and connects students with academic support systems.

Annual external support needed: $10,000

General Programming
In addition to the above listed major initiatives, PWSE provides a variety of other programming to support women in science and engineering. PWSE offers programs such as organizing welcome picnics, arranging speakers, collaborating with the Girl Scouts, creating bi-weekly email newsletters that go out to over 4000 undergraduate STEM students to connect them with services and programming, etc. These general programs are open to all students enrolled in engineering or science at Iowa State, not just those students choosing to live on the WiSE floors. In addition, PWSE uses general program funding to support the operation and supplies needed to run all PWSE programs, to pay student hourly students to assist with projects, etc.

Annual external support needed: $40,000

Scholarships
As tuition continues to rise, scholarships and other financial aid opportunities are critical for students to be able to pursue their degrees in STEM. PWSE scholarships are used to supplement college and university scholarships in attracting and retaining high ability women in STEM. Annual scholarships are typically awarded in the amount of $1000. In addition, PWSE administers endowed scholarships.

Annual external support needed: unlimited

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