



The Science and Engineering Education Center at UT Dallas

Providing Accessible STEM Programming to a Broad Community of Learners

Fast Facts

- Founded in 2008 by Dr. Russell Hulse, the UT Dallas Science and Engineering Education Center (SEEC) serves as an educational outreach arm of the University of Texas at Dallas.
- The SEEC creates and develops effective Science, Technology, Engineering and Mathematics (STEM) program materials, which are disseminated largely through the UT Dallas Contact Science Lending Library.
- A results-oriented center, SEEC reaches a broad spectrum of students and educators, supporting life-long STEM learning for all ages and all backgrounds.
- To respond to the growing need for accessible STEM programming in the out-of-school-time environment, the SEEC has grown consistently year-over-year. To date, it has served 337,433 learners across North Texas, either directly (through SEEC-facilitated programs) or indirectly (through agency partners who have been trained and equipped with the skills and materials needed to facilitate quality programs to the youth they serve).
- With 115 program sites and 54 community partners, SEEC programs are diverse and far-reaching, occurring on school campuses, at urban and rural libraries, at community centers, and at a variety of youth-serving nonprofit agencies.
- SEEC serves learners traditionally underrepresented in STEM, including African Americans, Hispanics, females, and low income, urban and rural DFW youth student populations. Program partners outside of the Dallas-Fort Worth Metroplex are located as far as the East Texas/Arkansas border.
- At least 75% of learners served are from demographic groups underrepresented in STEM fields with 71% of participants returning to participate in additional programming opportunities offered by the SEEC. Many elect to attend campus-based programming after attending offsite programming.
- The program measure impact by sampling upwards of 33% of participants. Current outcomes reflect: 97.5% of learners demonstrate content knowledge gain, 87.2% experience growth in STEM self-efficacy, and 82.6% of learners report increased interest in STEM fields. Additionally, 92.2% of learners express an increase in the valuation of STEM in society.
- SEEC receives consistent funding from multiple sources, including committed University funding, earned revenue from program partners, corporate and foundation donors (to include State Farm, Texas Instruments, ExxonMobil Foundation), and state agencies like the Texas Higher Education Coordinating Board and the Texas Workforce Commission. This funding allows the SEEC to provide STEM programming at little to no cost to learners.