



College of Engineering Student Success Center

TENNESSEE TECH

Building Bridges to Success Through a Three-Pronged Approach: Recruitment, Retention, and Recognition

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STUDENT SUCCESS CENTER

Creating 21st Century Renaissance Engineers

The mission of the Engineering Student Success Center is to recruit a diverse population of well-rounded, academically talented, and creative students; to provide support, encouragement, and resources for our students; and to recognize students' accomplishments as they work toward reaching milestones on the way to becoming 21st Century Renaissance Engineers.



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**RECRUITMENT → RETENTION
→ RECOGNITION**



Makers on the Move



The program uses a mobile STEM science laboratory where students actively engage in hands-on STEM lessons.

Recruitment → **Retention** → **Recognition**



Scholarships



The College of Engineering awards hundreds of thousands of dollars in scholarships to our students each academic year.

Recruitment → **Retention** → **Recognition**



Student Ambassador Program

Outgoing, friendly students who possess a genuine love for Tennessee Tech and the College of Engineering, and are willing to help represent the engineering programs and share their campus experiences with prospective students while working as a member of a team.



Recruitment → Retention → Recognition



Academic Advising



Four full time academic advisors

Recruitment → Retention → Recognition



Engineering Student Success Fair

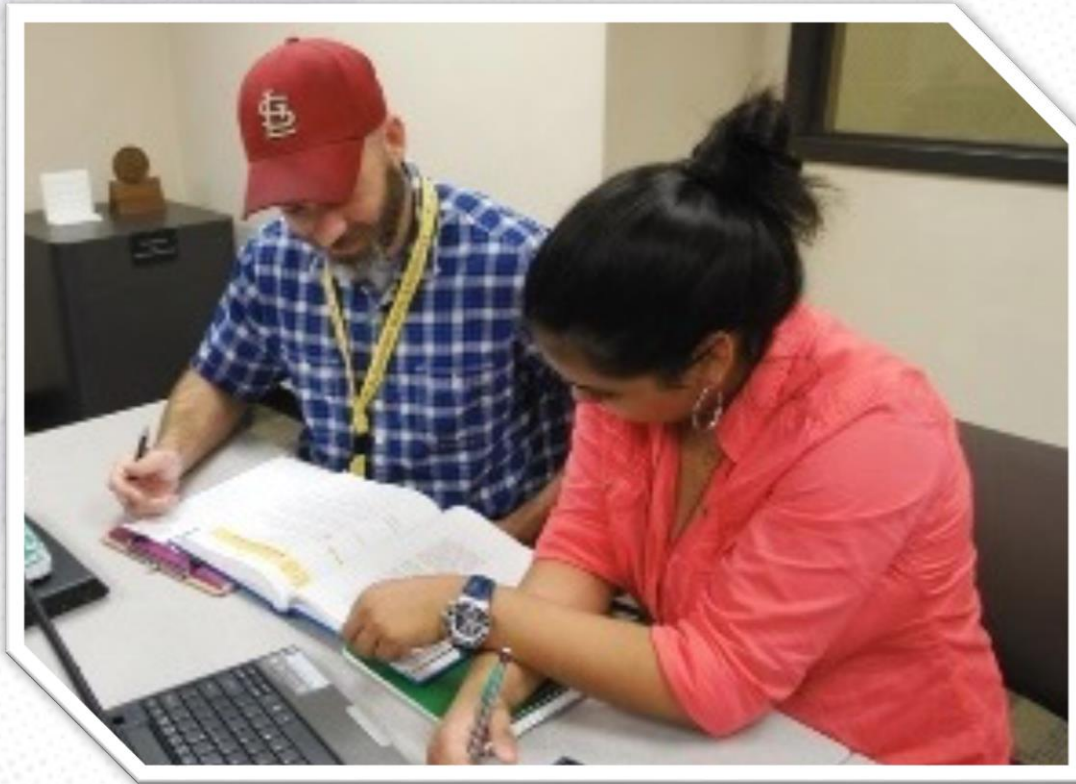


Learn about the programs and services offered by or supervised by the Student Success Center

Recruitment → Retention → Recognition



Peer Tutoring

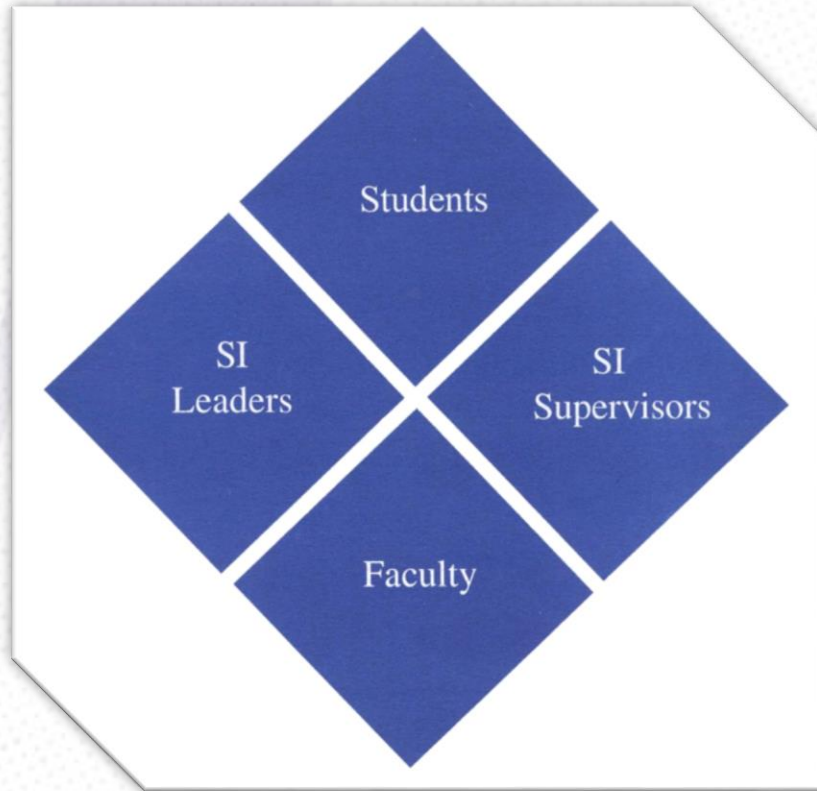


Undergraduate peer tutors who have performed well in specific courses and have been trained in tutoring policies and techniques.

Recruitment → Retention → Recognition



Supplemental Instruction

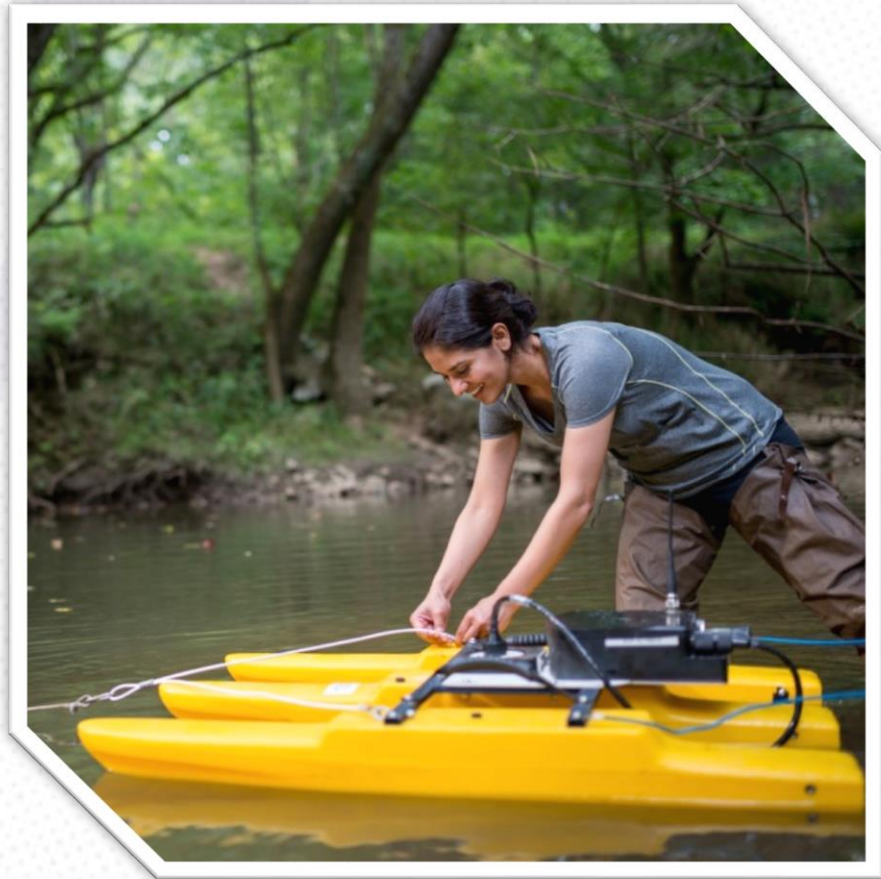


Supplemental Instruction is an academic assistance program that utilizes peer-assisted study sessions.

Recruitment → Retention → Recognition



Student Success Funding



Registered student organizations can apply for Engineering Student Success funds.

Recruitment → Retention → Recognition



Professional Development Series



The Series consists of FREE 50-minute workshops that cover a variety of topics.

Recruitment → Retention → Recognition



Scholarship Reception



Honoring scholarship recipients and the donors that generously give toward their success.

Recruitment → Retention → Recognition



Tennessee Tech's Advising Model

- Flight Plan – Improve the Undergraduate experience
 - Increase number of professional advisors across campus
- Dual reporting structure
- Hybrid Model - Professional Advisors and Faculty Advisors
- Professional Development Opportunities for Advisors

Recruitment → **Retention** → Recognition



**“Academic Advising is the only structured activity on the campus in which all students have the opportunity for one-to-one interaction with a concerned representative of the institution.”
(Habley, 1994)**

Recruitment → Retention → Recognition



Proactive Advising

- Intrusive AKA Proactive Advising – An action-oriented approach to involving and motivating students to seek help when they need it (Earl, 1987).
 - Advisors reach out to students “with the intention of connecting with them before a situation occurs that cannot be fixed” (Varney, 2007, p. 11)
 - Give students information before they know/think/don’t have a clue they need it

Recruitment → **Retention** → Recognition



Student Success Collaborative

- Software system that uses predictive analytics to assist advisors in making strategic outreach decisions
- Tracks appointments and contacts with students
- University average – 20 log-ons per advisor per month
 - Engineering advisors very engaged with tool

Recruitment → Retention → Recognition



Assessment: Recruitment 2015-2016



Makers on the Move:

9 events. 30 schools. 3,731 middle and high school students



Scholarships:

Fall 2016:

\$650,203 offered to 359 students

Average: \$1,811 /student

Recruitment → Retention → Recognition



Assessment: Retention 2015-2016



Student Ambassadors:

386 service hours

16 Ambassadors

Advising: 1020 advisees, 8,910 contacts, averaging 9 per advisee, 78% in good academic standing after freshmen year; 82% persisting at the university.



Tutoring:

139 sessions, 92 total students tutored.

SI: 14 course sections supported (CSC 2100, Math 1910); DFW 12% vs. non-si students' DFW rate of 14%; Average course grade: SI participants = 3.0 vs. non-SI participants = 2.16

Recruitment → Retention → Recognition



Assessment: Retention 2015-2016



Renaissance Engineer Professional Development Series:

16 speakers

Average attendance 19 attendees,
Spring survey: 93% of attendees felt sessions were useful; 82% were satisfied or very satisfied with the experience.

Recruitment → Retention → Recognition



Assessment: Recognition 2015-2016



Scholarship reception:

239 attendees;

Survey: Respondents (92% of respondents were students) rated the reception 4.25/5: the convenience of the time/date, the variety and quality of food, the schedule/organization, and the overall experience. Overall experience was 4.48/5 (with 1 being poor and 5 being excellent).

Recruitment → Retention → Recognition



College of Engineering



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