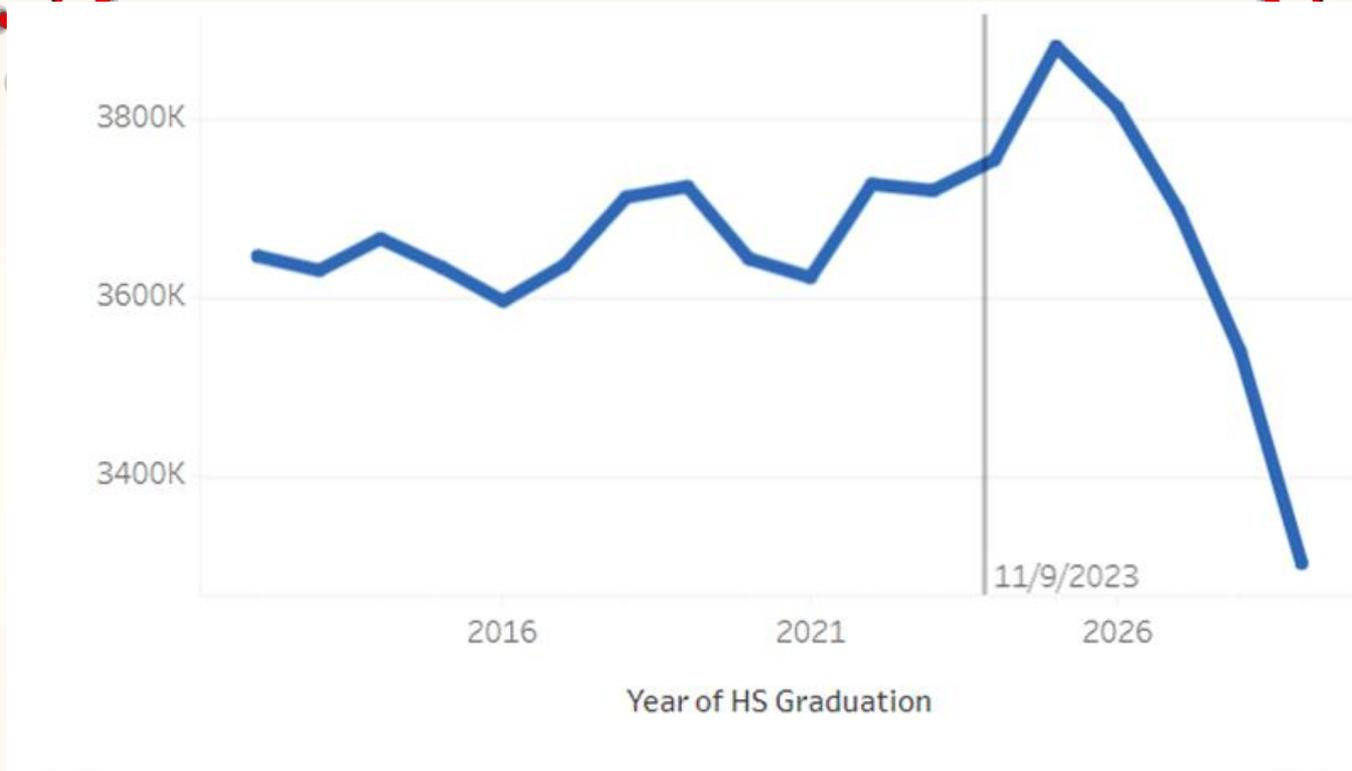


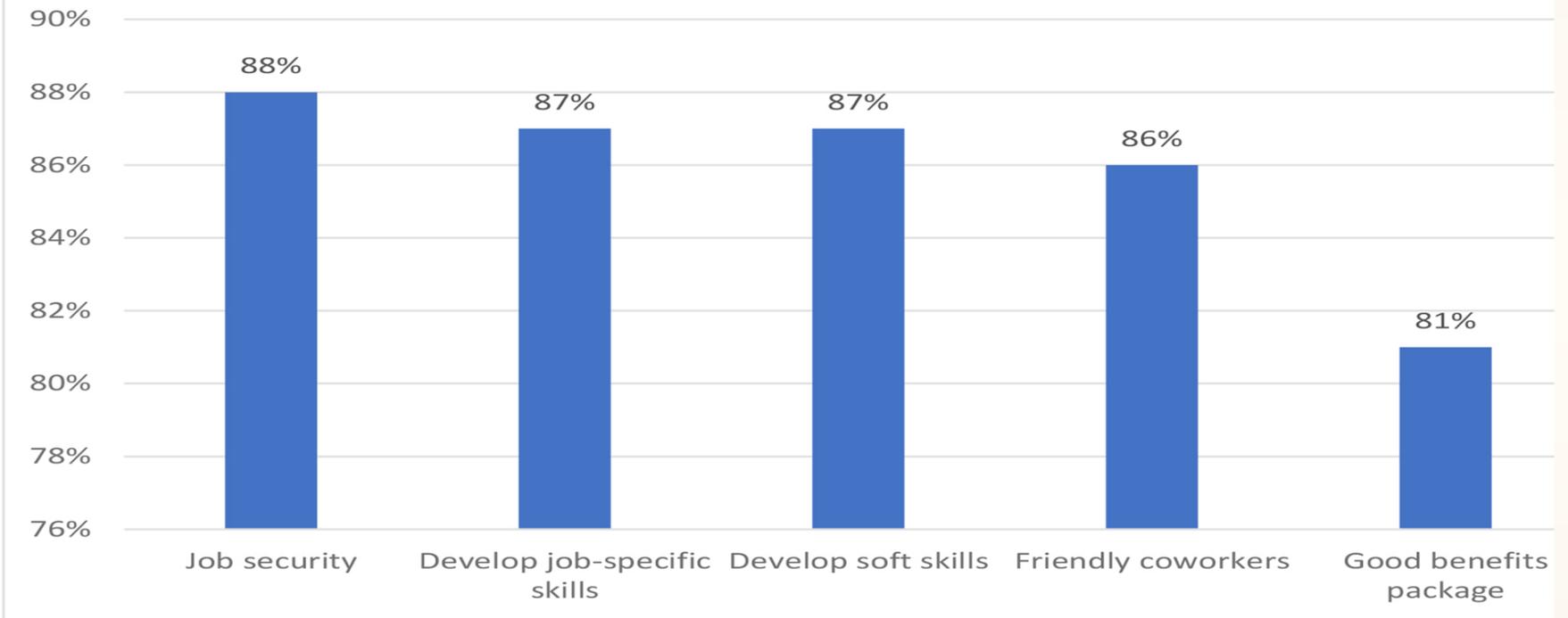


READING THE SIGNS



College & University Professional Association for
Human Resources

Figure 1: Top 5 attributes grads seek in a job



Source: 2022 Student Survey, National Association of Colleges and Employers



Louisiana Employment Trends

17-2051.00 - [Civil Engineers](#) 🟡 **Bright Outlook**

View trends for state:

In Louisiana:

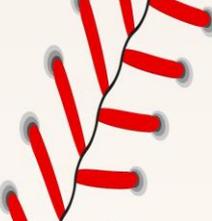
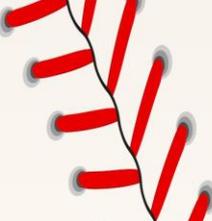
Employment (2020)	2,710 employees
Projected employment (2030)	2,950 employees
Projected growth (2020-2030)	9%
Projected annual job openings (2020-2030)	220

In the United States:

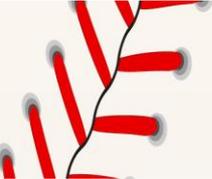
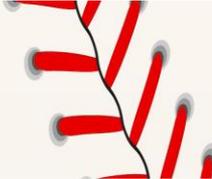
Employment (2022)	326,300 employees
Projected employment (2032)	342,500 employees
Projected growth (2022-2032)	 5% Faster than average
Projected annual job openings (2022-2032)	21,200

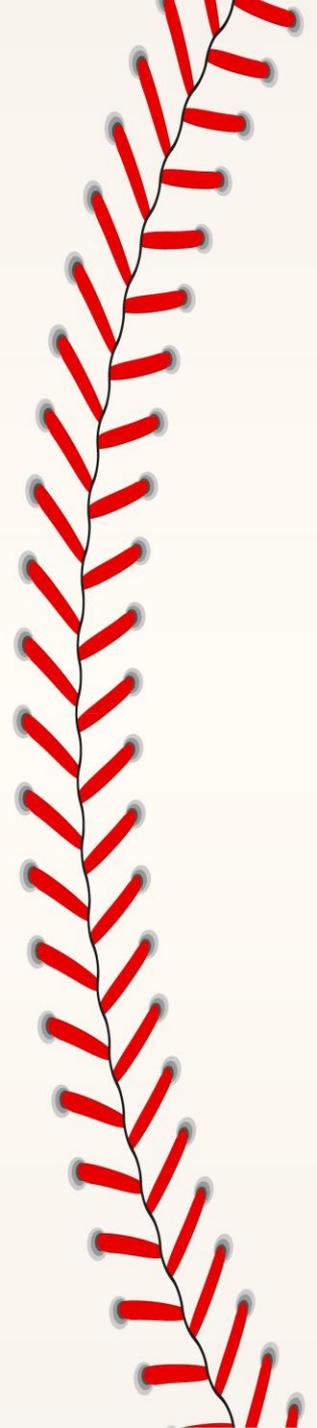
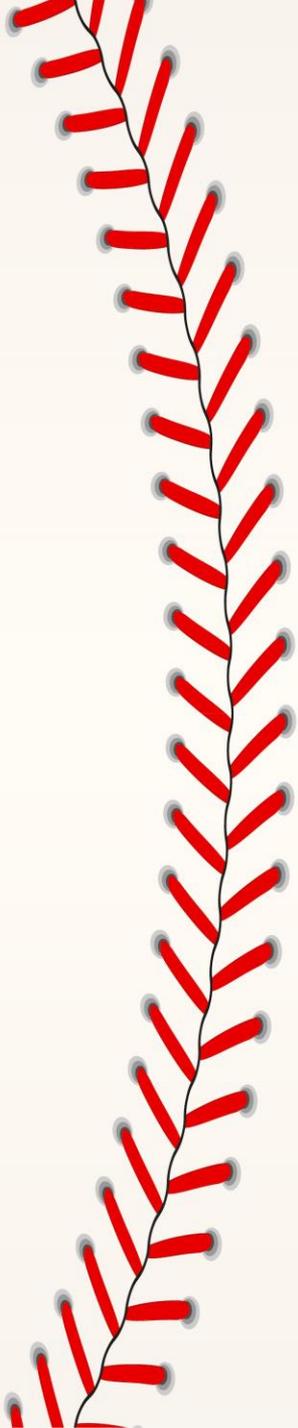
Louisiana source: Projections Central [2020-2030 long-term projections](#) [↗](#); United States source: Bureau of Labor Statistics [2022-2032 employment projections](#) [↗](#). "Projected growth" represents the estimated change in total employment over the projections period. "Projected annual job openings" represent openings due to growth and replacement.

Source: O*NET OnLine sponsored by the U.S. Department of Labor



What Students Want in a Job: Student Attitudes

- Gen Z: Entrepreneurship, Passion, Self-Branding and Shift to Personalized Work
 - In terms of their career interests and goals, members of Generation Z have an increased appetite for and awareness of entrepreneurship, seek ongoing nurturing and development
 - Personal Experiences With Inequality, Health Help Shape Gen Z Career Choices
 - Personal experience is a factor for how Gen Z college students determine the industries they want to work in and the organizations they prefer to work for, according to results of the 2022 Career Interest Survey conducted by the National Society of High School Scholars (NSHSS).
 - Authenticity Is Essential to an Impressive and Effective Candidate Experience
 - Students' expectations around authenticity in recruiting have remained constant. Many college graduates view coaching opportunities and ongoing discussions about performance
 - Flexible Work Environment
 - Searching for a job can itself be a full-time job and could lead to burnout. Giving students flexible work environments can ease the mental burden and lead to future success. Higher education has embraced online, blended, and experiential learning
- 
- 



LSU STATS

398

AVERAGE ENROLLMENT OVER 10 YEARS

61% STAY IN LOUISIANA

25% MOVE TO TEXAS

Develop Talent

LIKE YOU

Develop Business

Co-Op

- Full-time or Part-time
- Earn credit towards the PE
- Juniors + Seniors
- Registered with the Career Center

- Louisiana Tech's first-year engineering program provides an immersive, project-focused experience for over 700 students annually.
- Six semester hour course sequence, called "Living with the Lab", boosts experiential learning through student ownership of the "lab."
- Student ownership of the lab expands the scope and complexity of projects that can be undertaken with large groups and fosters the development of knowledge, skills and confidence that lead to innovation.

living with the lab

boosting hands-on learning in engineering education

[courses](#)

[content](#)

[projects](#)

[objectives](#)

[the lab](#)

[univ consortium](#)

[facilities](#)

[publications](#)

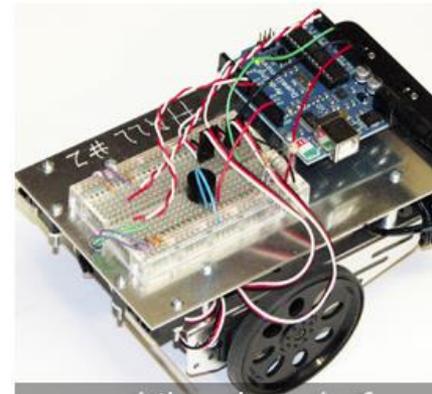
[assessment](#)

[photos & video](#)

[helpdesk & events](#)

[links](#)

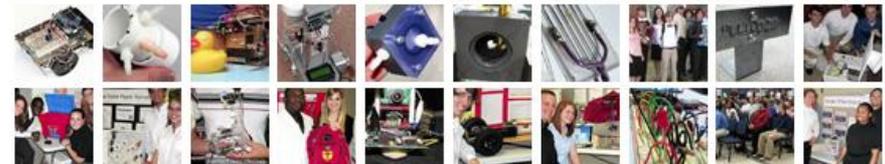
Louisiana Tech's first-year engineering program provides an immersive, project-focused experience for over 700 students each year. Our six semester hour course sequence, called "Living with the Lab", boosts experiential learning through student ownership of the "lab." Students are provided with a robotics kit along with tools, software and supplies to provide a platform for laboratory and design projects. Student ownership of the lab expands the scope and complexity of projects that can be undertaken with large groups and fosters the development of knowledge, skills and confidence that lead to innovation.



mobile robot platform



sheet metal project



Living with the Lab Faculty Team
 College of Engineering and Science
 Louisiana Tech University
 Ruston, Louisiana

Project supported by the National Science Foundation's Course Curriculum and Laboratory Improvement (CCLI) Program under Award No. 0618288. Any opinions, findings, conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.



Louisiana Tech University adheres to the equal opportunity provisions of federal and civil rights laws, and does not discriminate on the basis of race, color, national origin, religion, age, sex, sexual orientation, marital status or disability. The Title IX Coordinator is Carrie Flournoy, President's Office, P. O. Box 3168; phone: (318) 257-3785; E-mail: flournoy@latech.edu.

ABOUT US

Fall 2023
College of Engineering
Overall Enrollment
1,588



17% increase
from 2022

Civil Engineering

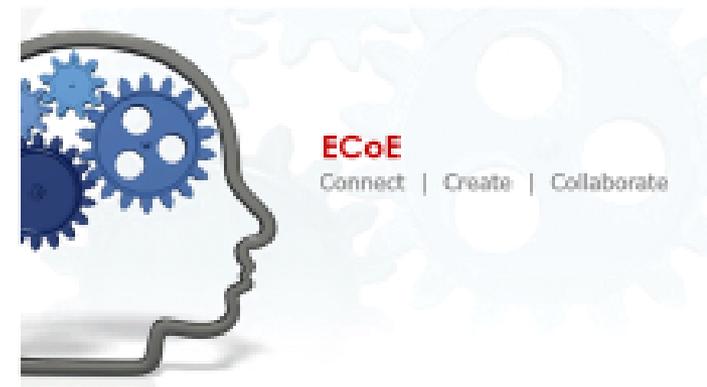
2019 – 231 students

2022 – 218 students



ENGINEERING CENTER OF EXCELLENCE

- Engineering Innovation Program
- Dean's Certificate for Leadership and Innovation
- State of the Art Engineering Makerspace (Part of the new engineering building, groundbreaking in Spring 2024)
- Engineering Supplemental Instruction (Peer Mentors)
- STEM Outreach-High School Summer Camp (promote engineering and engineering innovation)
- Freshman Camp (for incoming freshman their first semester)
- Study Abroad Ambassador Scholarships
- Enhanced Mosing Student Career Development Program
- Industry Events and Workshops for Career-Readiness
- Increased Support for Senior Design Projects
- Industry Partnership Program
- Continuing Engineering Education Program (CEEP)



The image features a white background with two vertical lines of red baseball stitching on the left and right sides. The stitching consists of red thread forming a series of V-shapes along a central vertical line. In the center of the page, the word "QUESTIONS" is written in a large, bold, black, sans-serif font.

QUESTIONS



Kim Billeadeau, ULL
kimberlyb@louisiana.edu

Ron Cathey, LA Tech
rcathey@latech.edu

Jesse Downs, LSU
jdowns@lsu.edu