

School of Civil and Environmental Engineering Oklahoma State University Strategic Plan 2020 – 2025

Proud of its land grant heritage, Oklahoma State University (OSU) advances knowledge, enriches lives, and stimulates economic development through teaching, research, and service. The mission of the College of Engineering, Architecture, and Technology (CEAT) is to advance the quality of human life through strategically selected programs with strong social, economic, and environmental dimensions, while emphasizing graduate programs in engineering that provide leadership for the state, region and nation, and are internationally recognized for excellence.

MISSION

The School of Civil and Environmental Engineering (CIVE) educates civil and environmental engineers with knowledge and skills for life-long careers, conducts research and scholarly activities, and shares knowledge through outreach activities.

VISION

The School of Civil and Environmental Engineering is recognized for its positive, meaningful and enduring impacts on humanity through its academic, research and outreach programs and for its respectful focus on students.

ACADEMICS

Goal

- Recruit, retain and graduate diverse, intellectually talented students to address the civil and environmental engineering challenges of the 21st century.

Metrics

- Number of undergraduate degrees granted per year (goal = 75, 2018 – 2019 AY 59)
- Number of M.S. and doctoral degrees granted per year (goal = 20 MS and 8 Ph.D., 2018 – 2019 AY 11 MS and 6 Ph.D.)
- Percentage of underrepresented undergraduate students (goal is increase to reflect the population breakdown of Oklahoma, 2019 breakdown was 27 % women, 7 African American, 6 Native American, 23 Hispanic, 27 multiracial of 268 undergraduates)
- Percentage of students graduated within 4 years (goal 55 %, 2019 45.0 %)
- Percentage of students graduated within 6 years (goal 85 %, 2019 76.3 %)
- Percentage taking and passing FE exam (taking goal 60 %, spring 2019 45 % taking, passing goal 80 %, spring 2019 67 %)
- Develop a plan for an Accelerated MS Program



RESEARCH

Goal

- Create impact through a growing research enterprise that engages faculty and students in funded federal, state, and industry-based innovation.

Metrics

- Research expenditures increase to an average of \$ 250,000 per year per faculty by FY 25 (2019 approximately \$ 200,000)
- Number of large center-based grants (mega grants) applications funded with CIVE leading or participating (5 submissions per year, 3 awarded over \$ 1 M by FY 25)
- Number of peer reviewed journal publications per year per faculty (goal = 3)



ADVANCEMENT AND REPUTATION

Goal

- Elevate the reputation, engagement, and resources of the School to be among the top public civil and environmental engineering programs in the US.

Metrics

- Number of endowed faculty fellowships, professorships, or chairs (2019 two endowed chairs and one endowed professorship)
- Number of graduate fellowships and undergraduate scholarships (2019 9 fellowships and 29 scholarships)
- Increase in annual CIVE fundraising to \$ 500,000 per year
- Participation rate of alumni as donors to the School (numbers of CIVE donors, goal = 150 per year, 86 in FY 2019)
- Accomplishments of alumni = based on surveys of at least 200 alumni per year
- Awards of nationally competitive scholarships and fellowships
- Faculty awards
- Student awards



Date of approval by CIVE faculty: December 6, 2019

Date of approval by CEAT Executive Council: December 12, 2019