

Strategic Plan 2024-2030

School of Science and Engineering

Our Mission

Preparing effective leaders in the science, engineering and aviation disciplines of the 21st century by providing industry-relevant academic programs featuring fully integrated technical, liberal and experiential education based in Catholic, Jesuit values.

Our Vision

Achieving excellence with a measurable impact on local, national, and global communities.

Our vision is a community that fosters:

1. **Student-centered learning**, preparing the interdisciplinary leaders of tomorrow.
2. **Research making a positive difference** on aviation, science, engineering and computer science grand challenges.
3. **Pursuing big ideas** through a culture of innovation, entrepreneurship, and collaboration.
4. **Cross cutting themes** including Laudato Si, energy, equity and justice
5. **A diverse and inclusive community** supporting our students, alumni, faculty and staff.
6. **Real-world, experiential learning** by connecting students and faculty at the St. Louis and Madrid, Spain campuses with alumni and industry.

Core Values

These values guide what we provide for our students, how we deliver a quality education and our commitment to the greater good.

- **Service.** We strive to build strong communities locally and abroad.
- **Leadership.** As researchers and educators, we remain dedicated to advancing science and technology.
- **Responsibility.** We act ethically and responsibly in everything we do, and we hold ourselves accountable for our efforts to improve the environment and advance technology for improving quality of life for all.
- **Respect.** We treat those we educate and those with whom we work with the highest professionalism and dignity.
- **Excellence.** We work as a team to bring experience, technological advancements and new knowledge to aviation, science, and engineering communities.
- **Stewardship.** We do our best to leverage the investments afforded us to build a technological workforce that will work to protect the planet and those of live within it.

Strategic Priorities

The School of Science and Engineering has five strategic priorities that represent bold growth goals with institutional support to achieve those goals:

1. **Recruitment:** Increase number of new full-time, first-time freshmen to **550** and transfer students to **100** by 2030. (Current FTF: 395, Transfers: 30)
2. **Retention:** Increase the overall graduation rate to **85** percent by 2030 by focusing on readiness and retention. Increase total undergraduate degrees awarded annually to **500** by 2030. (Current UG degrees: 270). Increase total MS degrees awarded annually to **150**. (Current MS degrees: 115). Increase number of PhD awarded annually to **35** (Current PhD degrees: 17).
3. **Research:** Increase the annual research expenditures to **\$20M** million in 2030, by assisting faculty with applications for individual research grants, increasing the number of faculty, recruiting diverse, high quality graduate students, providing support for post-award management, and developing multi-investigator cross-disciplinary research programs. Enhance infrastructure through the development of new research institutes and centers.
4. **Resources:** Achieve **\$15** million in new philanthropic donations by 2030 to be used for endowed chairs and professorships; support for faculty startup, retention, and infrastructure; increased faculty and staff salaries; and support for students through scholarships and stipends.
5. **Reputation:** Enhance School of Science and Engineering reputation to achieve a national ranking in the top **50%** by 2030.

The School of Science and Engineering strategic priorities reflect the overall direction of the school and its priorities. Departments within the college, both academic and administrative, will align their specific action plans with these overarching goals and with the SLU Strategic Plan.