A venture — be it educational, professional, or personal — requires commitment, collaboration, and careful planning. When a venture blends these three characteristics, it transcends mere activity and imbibes a spirit of adventure.

At the University of Dayton’s School of Engineering, students, faculty, staff, alumni, colleagues, and industrial and governmental partners converge to engender excellence at every level of our scholastic pursuits. Whether in formulating our strategic plan or in achieving it, our community unites around a passion for creativity endowed with service and collaboration. We embrace innovation and prepare our students to solve complex engineering problems while heeding the ethical, social, and environmental dimensions. We seek to shape the future of engineering in our communities and around the globe.

We are committed to igniting passion in our students, promoting a dynamic educational environment, cultivating transformational learning experiences, and advancing programs and research that will serve and inspire the world. This commitment embraces diversity in all of its forms and recognizes that our social responsibility in the engineering profession is to prepare graduates for leadership and service in an inclusive and intercultural community. Our vision, mission, and values define the goals we set and guide us in our journey as a leading-class School of Engineering. They are our compass as we continue on this adventure.

MISSION: Rooted in the Catholic, Marianist tradition of educating the whole person, we guide the transformation of students into engineering professionals who excel technically, embrace innovation and collaboration, possess an entrepreneurial spirit, demonstrate social and global awareness, and lead their communities for the betterment of all.

VALUES:

COMMUNITY: We cultivate a learning community founded in teamwork, trust, collaboration, diversity, inclusion, respect, and accountability.

INNOVATION: We foster innovation by providing real-world, hands-on educational, research, and service opportunities that shape dynamic, agile, and inquisitive problem solvers.

EXCELLENCE: We advance engineering excellence through responsible scholarship, knowledge creation, and lifelong learning.

ENGAGEMENT: We embrace a culture of servant leadership and stewardship that instills engagement in our students, faculty, staff, university partners, and external stakeholders.

SERVICE: We embrace our Marianist heritage through character building, a commitment to service for the common good, and guardianship for the Earth as our common home.
GOAL 1 Promote a Dynamic Educational Environment

The School of Engineering is committed to providing stakeholders with a forum to express diverse opinions in a safe environment of dialogue, debate, reflection, and strategic thinking. We learn through experience and experimentation, and we incorporate what we learn into our day-to-day operations. The School of Engineering seeks to constantly adapt to changing realities by embracing system thinking and holistic review. In the spirit of continuous improvement and in pursuit of excellence, we are dedicated to providing the highest value to the students, employers, alumni, colleagues, and industrial and governmental partners who place their trust in the University of Dayton.

STRATEGIC INITIATIVE 1.1
Empower our faculty and staff to excel at their jobs and to achieve their professional and personal goals while advancing our mission.

TACTIC 1.1 A Proactively and vigorously recruit diverse and expert faculty and staff to enrich our welcoming and inclusive environment.

TACTIC 1.1 B Cultivate faculty and staff success programs that embrace research-based best practices.

TACTIC 1.1 C Support personal strategic planning and align rewards — including promotion and tenure — to incentivize innovation, creativity, entrepreneurial thinking, and outstanding performance.

STRATEGIC INITIATIVE 1.2
Encourage a culture of engagement with internal and external stakeholders through effective communication.

TACTIC 1.2 A Engage innovative and effective channels of communication to energize and amplify our messages and to deepen our sense of community.

TACTIC 1.2 B Forge and nurture synergistic relationships among stakeholders to enhance our distinctive educational experience.

STRATEGIC INITIATIVE 1.3
Pursue continuous improvement and excellence within a supportive and collaborative climate.

TACTIC 1.3 A Advance transformational education by promoting instructional excellence and the use of emerging technologies.

TACTIC 1.3 B Implement innovative, forward-thinking practices that enhance our agility and responsiveness to the needs of all stakeholders.

TACTIC 1.3 C Strengthen examination and discovery through the development of effective and robust evaluation and assessment procedures.

TACTIC 1.3 D Establish cutting-edge, adaptive, and sustainable spaces that support a working and learning environment that facilitates community, collaboration, innovation, and inclusion.
GOAL 2 Cultivate Transformational Learning Experiences

The School of Engineering is committed to the pedagogy of experiential learning in which active engagement is intrinsic to our students’ experience, and education integrates high-impact activities within an authentic, inclusive, and intercultural context. Experiential learning kindles curiosity, provides opportunities for interdisciplinary scholarship, develops leaders, promotes community engagement, stimulates social and global awareness, sparks entrepreneurship, and fosters a collaborative spirit. This situated learning — embedded in activities guided by faculty and staff — is a signature element of our students’ educational experience. Such immersion in research, in industry, and in our domestic and global communities extends the classroom to the world.

STRATEGIC INITIATIVE 2.1
Lead the nation in holistic, experience-driven education through engaged faculty, effective management, dedicated improvements, accountability, and innovation.

TACTIC 2.1 A Create a framework that supports and sustains the growth and development of experience-driven education.

TACTIC 2.1 B Strengthen and leverage infrastructure to coordinate and promote entrepreneurially minded learning and to create a culture that fosters and realizes engineering innovation.

TACTIC 2.1 C Invigorate undergraduate research as an integral approach to experiential learning that benefits both student and faculty scholarship.

TACTIC 2.1 D Establish as a signature element of our engineering education a community-engaged learning approach that connects students and faculty with local, national, and international partners.

TACTIC 2.1 E Broaden international educational programs, including experiential-learning opportunities that engage all engineering students in a global, technical community.

TACTIC 2.1 F Innovate and enhance cooperative engineering educational opportunities and other work experiences.

STRATEGIC INITIATIVE 2.2
Nourish an inclusive learning environment in which faculty, staff, and students contribute to a rich and diverse community.

TACTIC 2.2 A Educate students, faculty, and staff about the value of diversity in engineering to achieve an inclusive learning community and to maximize personal, professional, and team effectiveness.

TACTIC 2.2 B Lead peer institutions in the recruitment of underrepresented populations — including women and domestic minority students — and in the retention and graduation of all minority groups.
The School of Engineering is committed to being an agent of change for our stakeholders, our community, and our world. We partner with external leaders to identify the skills, values, and vision that will best equip our students to address tomorrow’s changing needs and to become the innovators of the future. Our programs and research continue to evolve to address the rapidly transforming challenges of the world and to develop adaptive, creative students who are owners of their educational experiences.

**STRATEGIC INITIATIVE 3.1**
Enhance curricular flexibility to promote innovative, adaptive curricula and programs.

**TACTIC 3.1 A** Develop minors and concentrations that empower students to fulfill their vocations and embrace their specialized interests.

**TACTIC 3.1 B** Facilitate short-term, topical problem- or project-based courses that emerge out of and respond to the world’s most pressing needs.

**TACTIC 3.1 C** Advance multidisciplinary graduate programs that are rooted in our strengths and champion the University of Dayton’s mission.

**STRATEGIC INITIATIVE 3.2**
Emerge as a recognized leader in research and innovation that serves the common good.

**TACTIC 3.2 A** Embrace ethically, socially, and environmentally responsible research to inspire and support faculty and students and to communicate a transformative vision of engineering research to the world.

**TACTIC 3.2 B** Establish an innovation incubator linked to the undergraduate and graduate curricula that stimulates and supports novel ideas and inventions.

**STRATEGIC INITIATIVE 3.3**
Make the School of Engineering experience a bridge to lifelong learning.

**TACTIC 3.3 A** Establish a lifelong learning platform.

**TACTIC 3.3 B** Deepen alumni engagement with students, courses, research, service, and experiential opportunities.