

# DAYTON ENGINEERING

## By the numbers



**\$170**

**MILLION**  
in sponsored research in  
fiscal year 2020 including  
University of Dayton Research Institute



**No. 1**  
nationally  
for sponsored  
materials research  
and development



**No. 8**  
nationally for  
federally sponsored  
engineering research  
and development



**No. 1**  
university in Ohio for  
industrial and manufacturing  
research and development



**No. 1** Catholic university  
for sponsored engineering research  
and development

**86** faculty **68** staff



**91%**  
first-year  
retention rate



**665**  
degrees awarded (2020)  
468 undergraduate  
197 graduate



**1950** undergraduate students  
**452** graduate students



**26**  
students average  
engineering class size

UD Fact Book 2020



University of Dayton  
School of  
Engineering



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# STUDENT SUCCESS

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**Ignite. Innovate. Transform.**



## PRIORITIZING STUDENT SUCCESS

While the University of Dayton is a top-tier research institution, undergraduate education has always been at the core of our Catholic, Marianist educational tradition. Everyone associated with the School of Engineering is deeply committed and invested in the success of our students.

Classes are small and virtually all are taught by faculty members, with graduate assistants overseeing some lab work. UD Engineering faculty know their students on a first-name basis and are available during office hours and via electronic communication to answer questions.

At UD, our approach is to only admit students into the School of Engineering whom we believe are prepared to handle the academic rigor required to be successful. There are no “weed out courses” or other obstacles to thin the ranks of engineering students.

Rather, our faculty and staff commit themselves to helping each student find their career passion. In fact, 90 percent of students who begin their studies in the School of Engineering return to the University for their second year, and 79 percent receive a degree from UD within six years, although most graduate in four to five years.

For those who are undecided about an engineering major, the Discover Engineering and Discover Engineering Technology programs allow students to maintain momentum toward an engineering degree for three semesters while exploring engineering options.

## OFFICE OF STUDENT SUCCESS

The School of Engineering’s Office of Student Success (OSS) is staffed by engineering professionals who advise all first and second-year students.

The OSS serves as an information hub for students to locate academic information, seek advising by appointment or drop-in and receive referrals to campus resources such as tutoring, career counseling and research opportunities. OSS advisers help students stay on track with their degree programs while crafting a custom set of experiences (co-op, study abroad, ETHOS, etc.) to complement their academic coursework. This process starts in the first months of the semester when students have a mandatory meeting with their adviser to discuss their goals.

The OSS staff coordinates Enrichment Workshops (EGR 150 and 151) offered in the fall and spring semesters. These workshops are required of all first-year students and are facilitated by upper-class engineering students. They work in small groups to build community and ensure that students master the concepts of calculus, physics and chemistry. Students not only learn to work collaboratively but also gain access to the wisdom of upper-class students.

The OSS-led Introduction to the University (EGR 102) seminar is offered in the fall semester for all incoming engineering and engineering technology students. The seminar is an introduction to engineering faculty, facilities and curriculum, as well as an exploration of career options in all engineering disciplines, which helps students maximize their career and educational opportunities.

After the fifth semester, each undergraduate is transitioned to a faculty academic adviser who provides academic assistance and individualized attention. The adviser’s role is to help the student evaluate and realize educational and career goals.



## SUCCESSFUL STUDENTS MAKE CONNECTIONS

Beyond any formalized program, the University of Dayton offers a warm, welcoming and inclusive environment where students get to know faculty, staff and their peers in relationships that often extend beyond the classroom. The University offers many options to participate in both professional and recreational clubs/activities. Students who are engaged outside the classroom are more successful inside the classroom.

According to the *Princeton Review*, the University of Dayton is one of the nation’s best institutions for undergraduate education, ranking in the top 15 percent of all universities. In its flagship college guide, *The Best 381 Colleges*, the educational services company recognizes the University for happy students (ranked third), having students who love their school (fifth) and best quality of life (eighth). UD also ranks in the top 20 for Impact Schools, Most Engaged in Community Service, Top Internship Opportunities and Top 25 Entrepreneurship, among other recognitions.

Overall, the University of Dayton School of Engineering boasts a 96 percent success rate in placing graduates in full-time work, graduate school and military or volunteer service programs.

