

ENGINEER YOUR
FUTURE
ENGINEER YOUR SUCCESS

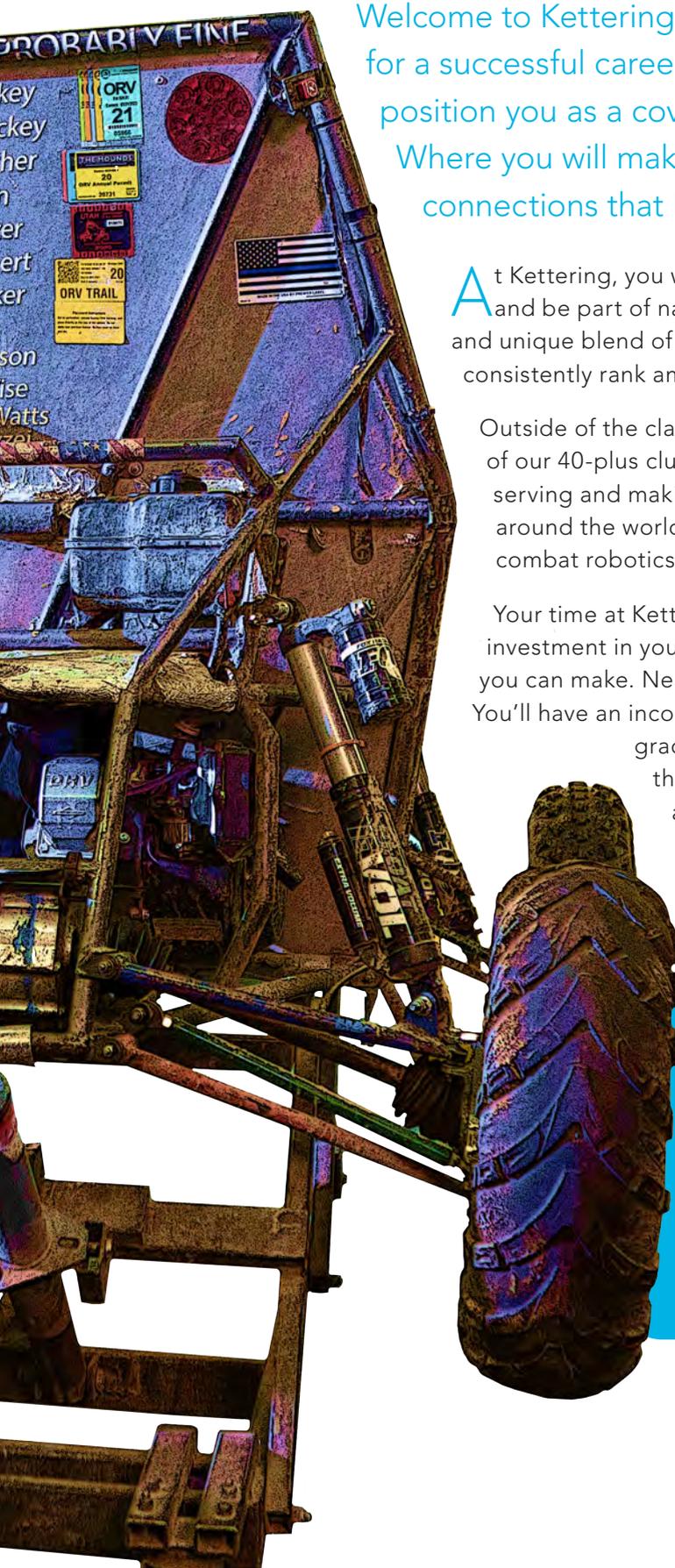
Kettering
UNIVERSITY



ENGINEERING YOUR FUTURE BEGINS HERE.



Eric Stuck
Isaac Stuck
Zach Fulc
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Aaron Pitz
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Forrest Bak
Jacob Wolo
Cameron W
Zac 'Rollie' V
Arnaldo Ma



Welcome to Kettering. Where you will lay the foundation for a successful career. You will explore fields of study that position you as a coveted asset for employers worldwide. Where you will make personal and professional connections that last a lifetime.

At Kettering, you will learn from accomplished faculty members and be part of nationally recognized programs. Our academics and unique blend of classroom education and workplace training consistently rank among the best in the country.

Outside of the classroom, you can explore your interests in one of our 40-plus clubs and organizations. Pursue your passions by serving and making a positive impact on Flint or communities around the world. Test your skills in intramural sports, Esports, combat robotics, or other competition teams.

Your time at Kettering is more than an education. It's an investment in your future — an investment that is one of the best you can make. Nearly all our first-year students receive financial aid. You'll have an income as part of our unique Co-op program. Our graduates begin their careers earning more than their peers. You'll pay off your student loans quicker and be in position to thrive for years to come.

Find your purpose and engineer your success at Kettering University.



\$45k-
\$70k
Average Co-op Earnings
Over 4.5 Years

FIND YOUR FUTURE. EXPLORE OUR PROGRAMS.

12:1

Student to
Faculty Ratio

18

Average
Class Size

You'll be able to choose from programs in a variety of business and engineering disciplines that provide skills applicable to many industries.

Technical fields are not one-size-fits-all. They change rapidly, and our curriculum is designed to give students, no matter their program, a well-rounded skill set that can translate to careers in many industries. We have graduates and Co-op students working everywhere from Tesla Motors to Nestlé. The possibilities a degree from Kettering University provides are limitless.

Once you've selected a program, you'll learn from faculty who are distinguished engineers, scientists, business leaders and researchers with significant industry achievements in their own right. You will also have access to them. Small class sizes mean that our faculty get to know you, are able to tailor classroom and lab learning to your needs and goals, and become valuable professional resources in your career journey.

"One thing about Kettering that defied my expectations was how welcoming and helpful all the staff are! During my second week, I had some questions, and I was able to have lunch with one of my professors to figure out a solution. Actions like those demonstrate more care than I expected."

Madison C. '27
Engineering

UNDERGRADUATE DEGREES

BACHELOR OF SCIENCE DEGREE PROGRAMS

CHEMICAL ENGINEERING

COMPUTER ENGINEERING

COMPUTER SCIENCE

Concentrations

- ▶ Artificial Intelligence
- ▶ Computer Gaming
- ▶ Cybersecurity

ELECTRICAL ENGINEERING

ENGINEERING

Concentrations

- ▶ Engineering Management
- ▶ Manufacturing Systems
- ▶ Mechatronics Systems
- ▶ Robotic Systems

ENGINEERING PHYSICS

INDUSTRIAL ENGINEERING

MANAGEMENT

Concentrations

- ▶ Business Analytics
- ▶ Innovation & Entrepreneurship
- ▶ Supply Chain & Logistics Management
- ▶ Sustainability Management
- ▶ Technology Leadership

MECHANICAL ENGINEERING

Concentrations

- ▶ Alternative Energy
- ▶ Automotive Engineering Design
- ▶ Bioengineering Applications
- ▶ Machine Design & Advanced Materials

COURSE OF STUDY

- ▶ Pre-Med

UNDERGRADUATE MINORS

- ▶ Acoustics
- ▶ Applied & Computational Mathematics
- ▶ Artificial Intelligence
- ▶ Business
- ▶ Computer Engineering
- ▶ Computer Gaming
- ▶ Computer Science
- ▶ Cybersecurity
- ▶ Economics
- ▶ Electrical Engineering
- ▶ Innovation & Entrepreneurship
- ▶ Manufacturing
- ▶ Physics
- ▶ Statistics

9

Undergraduate Programs

14

Graduate Programs

5

Graduate Certificates

BACHELOR'S/MASTER'S PATHWAY

Do you want advanced knowledge and skills in emerging technologies that will lead to a thriving career? If so, our Bachelor's/Master's pathway is designed just for you: our most highly motivated and goal-oriented students. This pathway will allow you to start mobilizing your career and mastering your future while you are still an undergraduate.

MASTER'S DEGREES

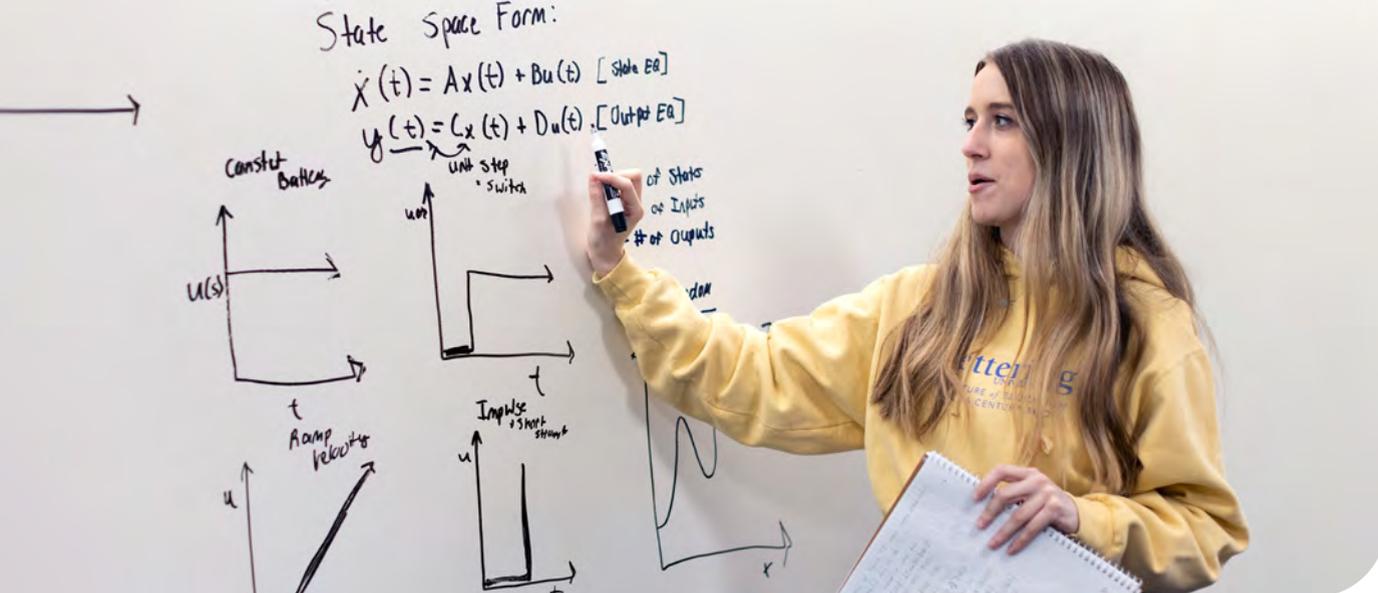
- ▶ Applied Data Science & Data Analytics
- ▶ Artificial Intelligence
- ▶ Autonomous Vehicle
- ▶ Business Administration
- ▶ Computer Engineering
- ▶ Electric Vehicles

- ▶ Electrical Engineering
- ▶ Engineering
- ▶ Engineering Management
- ▶ Lean Manufacturing
- ▶ Mechanical Engineering
- ▶ Mobility Systems
- ▶ Operations Management
- ▶ Supply Chain Management

- ▶ Tech MBA

GRADUATE CERTIFICATES

- ▶ Data Analytics
- ▶ Global Leadership
- ▶ Operations Management
- ▶ Supply Chain Management
- ▶ Technology Leadership



START YOUR FUTURE TODAY. APPLY NOW.

Whether you are a high school senior or a college student looking to transfer, you'll have no trouble applying to Kettering. Simply visit kettering.edu/apply or use your account on Common App and select Kettering University.

ADMISSIONS AT A GLANCE

- ▶ Most incoming students enter Kettering with a 3.0 GPA or better for combined math, science, and English courses and 25th-75th percentile on the ACT or SAT. Visit kettering.edu/apply for a full list of requirements.
- ▶ Transfer students can bring up to 72-course credits to Kettering when transferring. Visit kettering.edu/transfer to use our Transfer Course Equivalency tool to find out which of your courses you've completed would count toward our graduation requirements.
- ▶ Students who have completed Advanced Placement (AP) or International Baccalaureate (IB) courses are encouraged to take the exams. Information about the scores needed to receive Kettering credit is available at kettering.edu/apply.

"Enrolling at Kettering, I not only receive a top-notch education but I am also in an environment where everyone wants to help me grow."

Matthew W. '27
Computer Science

3.6

Average High School GPA

PREPARE TO START YOUR JOURNEY. HERE'S WHAT YOU'LL NEED.

Are you ready to be an innovator, a doer and show the drive to solve real-world problems? If you're the type of student who embraces the concept of hands-on learning, you're ready to kick-start your success.

GPA AND TEST SCORES			
3.0 Academic GPA: or better for combined math, science and English courses (Test Scores are optional)	ACT: 25th-75th Percentile: English: 23-30 Math: 25-30 Composite: 25-31 Kettering Code: 1998	SAT: 25th-75th Percentile: Critical Reading 570-660 Math 570-680 Kettering Code: 1246	
REQUIRED HIGH SCHOOL COURSES			
English: 3 years	Algebra: 2 years	Geometry: 1 year	Trigonometry: One semester or equivalent
Lab Science: 2 years, one must be Chemistry or Physics			
RECOMMENDED HIGH SCHOOL COURSES			
Pre-Calculus or Calculus	Foreign Language	Computer	CAD and/or Drafting
APPLICATION CHECKLIST FOR FRESHMEN			
<ul style="list-style-type: none"> ▶ Completed application ▶ Official high school transcripts ▶ ACT and/or SAT scores (optional) 			
TRANSFER STUDENTS			
14-16 credit hours per semester: of coursework similar to what is taken by a Kettering University student. Primary consideration given to overall GPA and courses taken.	Items needed: <ul style="list-style-type: none"> ▶ Complete application ▶ List of courses in progress ▶ Official college transcripts 	If applying with less than 30 credit hours: <ul style="list-style-type: none"> ▶ Official high school transcripts ▶ Official ACT or SAT scores (optional) 	
HOME SCHOOL STUDENTS			
Comprehensive transcripts: must be received from home school associations or primary educator.	Transcripts must include: course name, credit, grade, graduation date and an official signature on an official record of academic studies.	Credit earned in a formal high school or college: the applicant must submit an official copy of the transcript from the respective school.	
INTERNATIONAL STUDENTS			
Items needed: <ul style="list-style-type: none"> ▶ Completed application ▶ Official secondary school transcripts ▶ English proficiency (if applicable) 		Other requirements/considerations: <ul style="list-style-type: none"> ▶ International students on an F1 Visa must complete 2 academic terms before being eligible to co-op. 	

ACADEMIC CALENDAR*

TERM	MONTHS	A-SECTION	B-SECTION
Summer	July–Sept.	School	Work
Fall	Oct.–Dec.	Work	School
Winter	Jan.–Mar.	School	Work
Spring	April–June	Work	School

*Academic calendar may not apply to international students, see "other requirements" above.



1231
AVERAGE
SAT SCORE
(Critical Reading + Math)

ADVANCED PLACEMENT CREDIT

If you have completed Advanced Placement (AP) courses, we encourage you to take the College Board AP Examinations.

The chart below shows the scores needed to receive Kettering University credit. Students should have an official AP transcript sent to Kettering directly from the College Board AP Program. AP credits do not override prerequisite requirements.

ADVANCED PLACEMENT EXAM	REQUIRED SCORE	CREDITS GRANTED	KETTERING COURSE NUMBER
Art History ¹	4,5	4	ART-297
Art Studio 2-D Design ¹	4,5	4	ART-297
Art Studio 3-D Design ¹	4,5	4	ART-297
Biology ²	4,5	3 and 1	BIOL-141 and BIOL-142
Calculus AB	4,5	4	MATH-101
Calculus AB Subgrade	4,5	4	MATH-101
Calculus BC	4,5	4 and 4	MATH-101 and MATH-102
Chemistry	4,5	3 and 1	CHEM-135/136 or CHEM-137/136
Comparative Government and Politics ¹	4,5	4	SSCI-297
Computer Science A	4,5	4	CS-101
Computer Science Principles ^{1,2}	4,5	4	CS-297
English Language and Composition ¹	4,5	4	COMM-297
English Literature and Composition ¹	4,5	4	HUMN-297
Environmental Science ²	4,5	4	BIOL-297
European History ¹	4,5	4	SSCI-297
Foreign Language and Culture ¹ – Any	4,5	4	LANG-297
Foreign Literature and Culture ¹ – Any	4,5	4	HUMN-297
Human Geography ¹	4,5	4	SSCI-297
Macroeconomics ³	4,5	4	ECON-201
Microeconomics ³	4,5	4	ECON-201
Music Theory ¹	4,5	4	MUS-297
Physics C – Mechanics	4,5	3 and 1	PHYS-114 and PHYS-115
Physics C – Electricity & Magnetism	4,5	3 and 1	PHYS-224 and PHYS-225
Psychology ¹	4,5	4	SSCI-297
Research ¹	4,5	4	LS-297
Seminar ¹	4,5	4	LS-297
Statistics ²	3,4,5	4	BUSN-271
U.S. Government and Politics ¹	4,5	4	SSCI-297
U.S. History ¹	4,5	4	HIST-297
World History ¹	4,5	4	SSCI-297

¹Course counts as a free elective in all degree programs.

²Seek department advisement for the curriculum requirement application.

³This AP course can count as ECON-297 (Free Elective) if student already has credit for ECON-201.

LEARN THE THEORY. THEN PRACTICE IT!

As soon as you set foot on campus as a Kettering student, you will have major employers eager to work with you — and pay you.

While your peers at other universities are working in entry-level positions that might not even be in line with their career goals, you'll have the opportunity to find a high-paying job through our Co-op programs that support your ambitions — and you'll do it your first year. Our Co-op employment fairs feature premier employers in a variety of fields, and they all want to hire you.

By the time you graduate, you'll have up to 2.5 years of professional experience AND up to \$70,000 in Co-op earnings, not to mention valuable networking opportunities and mentoring from experienced professionals in your field.

That experience leads to career earning potential that is higher than most universities – Kettering University students enter the workforce with the highest starting salaries of any graduates in Michigan, according to Smart Asset.

Hands-on opportunities aren't just limited to your Co-op positions. Kettering University students get access to labs and research spaces from the moment they step on campus. At other universities, use of facilities like these are typically reserved for juniors or seniors or even graduate students.

You'll get to explore places like the Kettering University GM Mobility Research Center, a proving ground for mobility and vehicle research, or our Advanced Machines & Power Electronics Design lab. See a full list of our unique facilities at kettering.edu/research.

Enhancing your learning in our labs and in Co-op positions is vital to how we educate and prepare the best engineers and leaders, so plan to immerse yourself in dynamic spaces in classes and in extracurricular activities immediately.

THE KETTERING ADVANTAGE

UP TO
2.5 YEARS
of Professional
Experience by
Graduation



TRADITIONAL UNIVERSITY	KETTERING UNIVERSITY
Learn	Learn
Learn	Do
Learn	Learn
Learn	Do

INVEST IN YOUR FUTURE. INVEST IN YOURSELF.

An education is the most important investment you will ever make to realize your lifelong earning potential. Here is why a Kettering University education is one of the best values in the country and worth the investment.

- ▶ Your Co-op earnings will provide \$45,000-\$70,000 in income during your time as a student.
- ▶ Beyond wages, many of our Co-op partners offer additional benefits. Nearly 20% of Kettering Co-op employers provide retirement benefits for our students! Imagine the compound interest you could earn starting a retirement account in college. Students may also enjoy paid time off, paid overtime, stock options, and more!
- ▶ The combination of Co-op wages students earn while in school with high-paying jobs graduates receive upon completing their degrees, help Kettering graduates pay off student loans quicker than graduates of many institutions nationwide. According to the U.S. Department of Education's College Scorecard, 32% of Kettering undergraduates with federal student loans complete repayment within two years of graduation.

SCHOLARSHIPS

Academic standouts, international scholars, and students who have demonstrated impressive talents outside the classroom will find a number of scholarship opportunities worth exploring. See a full list at kettering.edu/scholarships.

"Real-life work experience is so important for students, and the fact we get 2 years in the real world before graduation is incredible."

Mark A. '23
Computer Engineering



AFFORDABILITY

Funding your education shouldn't be stressful — and it won't be at Kettering University. We're here to help make your education as affordable as possible.



TOTAL COST:

\$53,310

(\$44,380 TUITION +
\$8,930 ROOM & BOARD)

AVERAGE AID PACKAGE:

\$23,510*

**Actual aid packages vary based on need as determined by Free Application for Federal Student Financial Aid (FAFSA).*

AVERAGE NET COST:

\$29,800**

***Students may opt to apply their co-op earnings toward this balance. On average, Co-op earnings over four years range from \$45,000-\$70,000. Additional scholarships and student loans are also available as ways to supplement the cost of attendance, depending on eligibility.*

FINANCIAL AID

► **Merit Scholarships:** In 2021, 99 percent of admitted students received Merit Scholarships and/or gift aid. Determining factors include GPA, ACT and/or SAT scores, and overall academic performance.



99%

of Students
Receive a **Kettering
Merit Scholarship
and/or Gift Aid**

- **Co-op Funds:** Through Kettering University's unique integrated work terms, during which you will actually receive a professional wage, an average of \$45,000 – \$70,000 can be earned over 4.5 years. Many students re-invest some of this into their college costs.
- **Need-Based Assistance:** 100 percent of recent incoming freshmen received some form of financial aid. Need-based grants are determined by the results of the Free Application for Federal Student Aid (FAFSA), which all students are encouraged to submit. **The Kettering University FAFSA code is 002262.**
- **Work Study:** Work study programs let you earn money toward your education by working on-campus. A variety of positions are typically available to nearly all interested students.

SCHOLARSHIPS

You'll have access to more than 100 scholarship opportunities available to incoming first-year students. Kettering, the state of Michigan and the federal government also offer grants and scholarships based on financial need.

Merit Scholarships are awarded based on committee review to eligible students based on high school academic performance.

- ▶ Up to \$17,500 per year.

Co-op Partner Scholarships:

- ▶ Several of Kettering's premier Co-op partners, including BorgWarner, Ford and GM, have expressed interest specifically in supporting underrepresented populations, diversity, and equity, and offer both additional scholarships AND paid Co-op positions. These companies are fully invested in Kettering students, knowing well that they will thrive in tomorrow's work environments where leadership, perspective, inclusivity and performance are keys to success.

Robotics Scholarships:

- ▶ Approximately a quarter of all Kettering University students participated in youth robotics programs, including FIRST, OCCRA, VEX, drones or other competitive robotics organizations. Members of robotics teams are eligible for competitive scholarships of up to \$5,000 per year.



Students who meet any or all of the following criteria are eligible to apply for Affinity Scholarships worth up to \$3,000 total:

- ▶ Sibling of a currently enrolled Kettering student.
- ▶ Have a parent, step-parent in residence or grandparent who graduated from GMI/Kettering University

DECA and Business Professionals of America (BPA):

- ▶ Participants are eligible to apply for scholarships of up to \$5,000 per year.

Kettering Recognizes Excellence (KRE):

- ▶ Up to \$5,000 per year for students who demonstrate achievement outside of the classroom through exemplary talents, personal initiative and tenacity, or through their ability to overcome obstacles.

TRANSFER SCHOLARSHIPS

Merit Scholarships:

- ▶ Based on transfer GPA, scholarship amounts range from \$8,500 to \$17,500.

Phi Theta Kappa Scholarship:

- ▶ \$1,500 annually for students with a GPA of 3.5 or above, 30 credit hours (minimum) and who are members of Phi Theta Kappa (verification required). This scholarship is also available to international transfer students.

Additional scholarships can be found online at kettering.edu/scholarships

FIND YOUR PLACE. A CAMPUS WHERE YOU CAN BE YOURSELF.

See all that your new home has to offer up close. Living in Thompson Hall is great way to get to know our campus. Check out these benefits:

- ▶ Single student rooms that provide privacy but also connect with your suitemate neighbor.
- ▶ A convenient location that is connected to our Campus Center, historic Academic Building, dining hall, student lounge, and is just steps from our recreation center.
- ▶ Social programming and service events designed to build connections with fellow students.
- ▶ Step into the new Learning Commons — a hub for socializing and learning.

"My most memorable moments at Kettering are from my freshmen year living in the residence hall. I enjoyed living in the center of campus, making everlasting friendships, and participating in all the campus events with my unit."

Misty T. '23
Industrial
Engineering





ESPORTS

Not only do Kettering University students take their academic and cooperative education pursuits seriously, they also take their love of gaming to the highest level. We offer Esports Scholarships worth up to \$4,000 a year for new entering students who are active competitors and engaged with the Kettering Esports team.

Kettering University has teams for *Overwatch*, *League of Legends*, *Smash Ultimate*, *R6 Siege*, *Rocket League*, and *Valorant*. Learn more about Esports at kettering.edu/esports.

TRADITION

Our campus is a close-knit community where students have many varied interests, but painting General Determination, our Bulldog mascot, is our longest tradition. Students come up with dozens of designs — sometimes more than once per day — for our beloved bulldog statue. Student organizations come together to promote their clubs, fraternities, or sororities. Members of the student body often paint the bulldog to commemorate different important milestones, memorials, or holidays. And sometimes, General Determination simply gets a fresh coat of paint to promote an upcoming event. Whatever the case, you'll find a can of spray paint in your hand soon to add another layer to the statue's legacy.

SOCIALIZING

Kettering attracts unique students, and our extracurricular activities reflect that. In addition to future leaders, students who come to Kettering are athletes, artists, musicians, activists, and change-makers in their communities. We have more than 40 clubs and organizations on campus to cater to these diverse interests — and we love innovators, so it's also easy to start your own club if our list doesn't have exactly what you're looking for. See our list of current clubs and organizations at kettering.edu/Student-Life.

SERVE

Our hometown is undergoing a continuous revitalization, and Kettering students and faculty have played a major role. Students organize monthly cleanups and service projects in the community. They also participate in a variety of opportunities to serve and make a positive impact in Flint. Our students have helped build solar and irrigation systems for urban and rural farms, they've built agility ramps for dogs at the local humane society, and they've helped local hospitals with everything from creating systems and signage to prevent patient falls to helping digitize medical records.

Engineers, at their core, are problem solvers and Flint is a playground for creative engineers who want to help improve people's lives.

TRAVEL

Our community extends far beyond just our campus. Kettering students participate in study abroad programs every year, learning and earning credits in Austria, Germany, Spain, or South Korea.

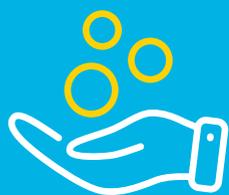
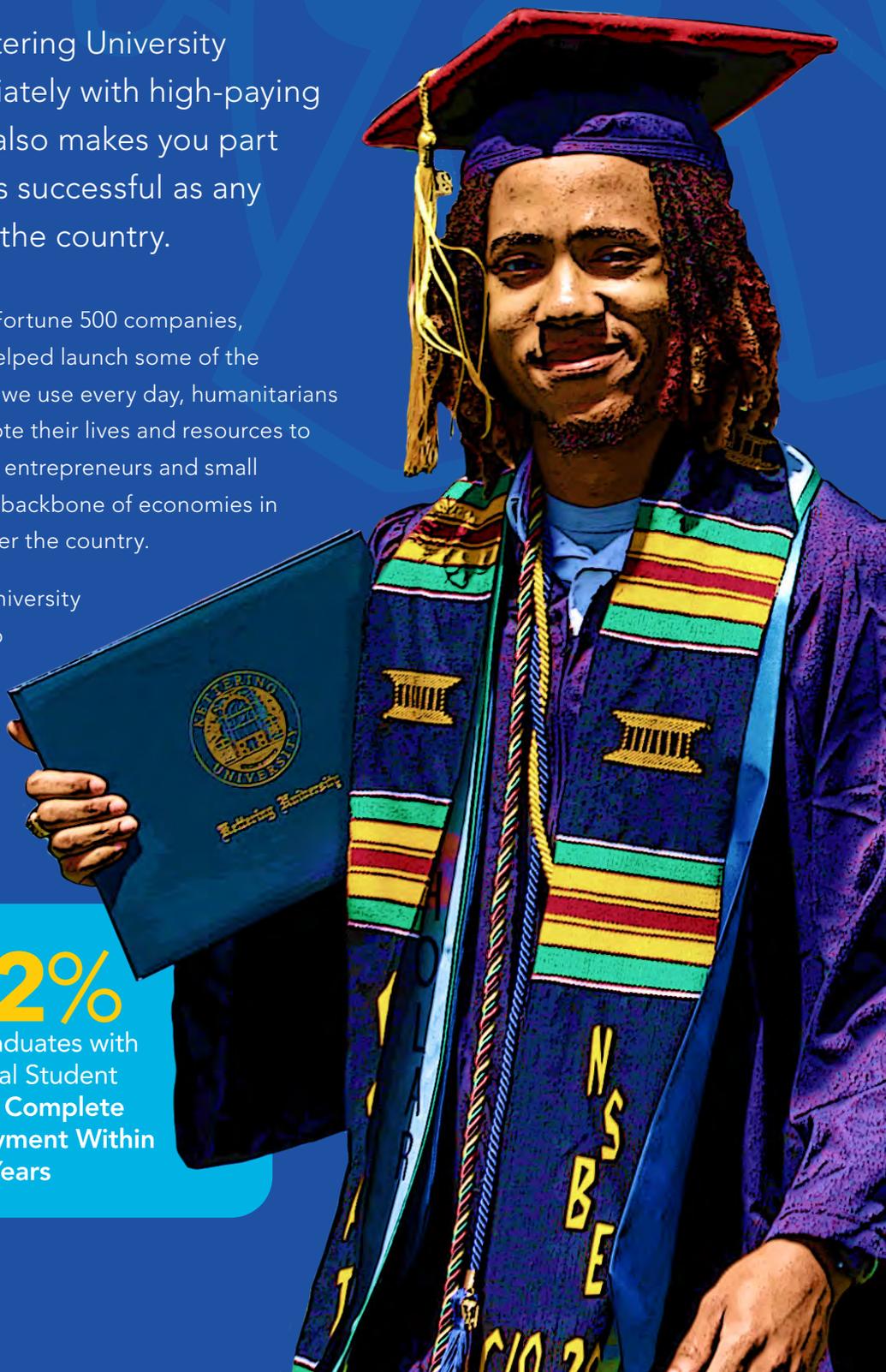
The program provides exceptional opportunities for students while you're in college and also prepares you for working in global careers that require travel or working with colleagues all around the world.

KETTERING IS YOUR NOW. THE FUTURE IS YOURS TO MAKE.

Graduating from Kettering University connects you immediately with high-paying job opportunities. It also makes you part of a network that is as successful as any university's alumni in the country.

You'll be among CEOs of Fortune 500 companies, venture capitalists who helped launch some of the most influential technologies we use every day, humanitarians and philanthropists who devote their lives and resources to solving global problems, and entrepreneurs and small business owners who are the backbone of economies in their local communities all over the country.

Graduating from Kettering University gives you opportunities to do almost anything with your life. Your future is yours to make and we can't wait to see what you do!



32%
of Graduates with
Federal Student
Loans **Complete
Repayment Within
Two Years**

CONNECT WITH US!

Learning more about Kettering University couldn't be easier. Give us a call, click, connect with us on social media, or send us an email. However you choose to get in touch, we're ready and waiting to answer your questions. Just use the info below to start planning your future.

kettering.edu/FutureBulldog



KEEP IN TOUCH

To opt-in and stay connected,
scan the QR code or visit
kettering.edu/optin



OFFICE OF ADMISSIONS

810.762.7865 | admissions@kettering.edu | kettering.edu

Learn more at kettering.edu/FutureBulldog