

ABOUT KETTERING UNIVERSITY

Mission

Kettering University prepares students for lives of extraordinary leadership and service by linking transformative experiential learning opportunities to rigorous academic programs in engineering, science, mathematics, and business.

Vision

Kettering University will be the first choice for students and all our partners seeking to make a better world through technological innovation, leadership and service.

Values

Respect: for teamwork, honesty, encouragement, diversity, partnerships with students.

Integrity: including accountability, transparency and ethics.

Creativity: fostering flexibility and innovation.

Collaboration: across disciplines and with all partners.

Excellence: in all we do.

Accreditation

Kettering University has been accredited since 1962 by The Higher Learning Commission (<http://www.higherlearningcommission.org>).

The programs in Chemical Engineering, Computer Engineering, Electrical Engineering, Engineering Physics, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission (EAC) of ABET (<http://www.abet.org>).

The program in Applied Physics is accredited by the Applied Science Accreditation Commission (ASAC) of ABET (<http://www.abet.org>).

The program in Computer Science is accredited by the Computing Accreditation Commission (CAC) of ABET (<http://www.abet.org>).

The Business program was accredited in 1995 by the Association of Collegiate Business Schools and Programs (ACBSP (<http://www.acbsp.org>)).

History

Kettering University's name honors Charles Kettering (1876-1958), a distinguished engineer, inventor, scientist, social philosopher and humanitarian. Charles Kettering believed that both theoretical knowledge and practical experience are necessary elements of an education.

This belief made him an advocate for cooperative education in the earliest years of the twentieth century. Our founders were among those influenced by Kettering's advocacy. From our earliest years our students have benefited from moving back and forth between the practical requirements of work experience and the disciplined reflection fostered in an academic environment.

We trace our origins to 1919 as the School of Automotive Trades, a school that provided night classes for factory workers in the growing automotive industry in Flint, Michigan. Under the leadership of Albert Sobey, the school became the Flint Institute of Technology in 1923. In 1924 Sobey created the school's first cooperative education program (<http://catalog.kettering.edu/undergrad/cooperative-experiential->

education) permitting alternating periods of full-time academic work and full-time work in local factories in a four-year program.

Recognizing the potential of cooperative education to educate its engineers and managers, General Motors Corporation took over the institute in 1926 and changed the name to General Motors Institute. In 1945, General Motors Institute added a senior thesis requirement and became a degree-granting college while maintaining its full cooperative education program.

General Motors divested itself of ownership in 1982. Though fully independent of General Motors, we maintained part of our old name until 1998, GMI Engineering and Management Institute. As an independent private college we expanded the number and types of companies employing our co-op students, added master's degree programs, established new majors and replaced GM financial support with tuition, donations and endowment income.

In changing our name to Kettering University in 1998, we carry the name of a man whose life represents who we are. Charles Kettering was famous for his technical knowledge and inventions, was fascinated by ideas, respected human imagination and believed that service was the purpose of education. We honor his legacy with our cooperative education program, student-centered learning, faculty scholarship and preparation of students to be leaders in service to their professions and to society.

Non-Discrimination Policy Statement

Kettering University, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action.

Kettering University is deeply committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation including gender identity or expression, disability, religion, height, weight, genetic information, or veteran status in employment, educational programs and activities, and admissions except where religion, sex, or age are bona fide job related employment requirements.

Discrimination on the basis of race/ethnicity, color, ancestry, religion, national origin, sex, including marital status, age, disability, or status as a Vietnam-era veteran, special disabled veteran, recently separated veteran or other protected veteran is prohibited by federal and state statutes as amended, including Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Pregnancy Discrimination Act of 1978, the Age Discrimination in Employment Act of 1978, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, the Americans with Disabilities Act of 1990, and the Civil Rights Act of 1991.

Inquiries or grievances may be addressed to the Director of Human Resources, Office of Human Resources, 1700 University Avenue, Flint, MI 48504, 810-762-9500.

Undergraduate Learning Outcomes

In keeping with its mission, vision and values, Kettering University strives to ensure that graduates of its baccalaureate degree programs achieve the following undergraduate learning outcomes:

- **Communication** – the ability to communicate effectively both orally and in writing

- **Critical thinking** – the ability to reason logically, challenge assumptions, evaluate evidence, use evidence to support a position, and creatively apply knowledge to new situations
- **Quantitative reasoning** – the ability to use mathematical models, concepts, and skills to draw conclusions and solve problems
- **Science** – a knowledge of basic laboratory science and the principles of scientific reasoning
- **Foundation in the liberal arts** – a broad knowledge of the perspectives, content and methods of inquiry, and reasoning in the humanities and social sciences
- **Depth of knowledge in a major field of study** - the content, connections to other disciplines, methods, and distinctive professional requirements of a specific discipline
- **Global awareness** – a knowledge of global societies, respect for other cultures, and the ability to interact effectively across cultural boundaries
- **Teamwork** – the ability to work effectively as a member of a team
- **Leadership** – the ability to provide vision, set direction, and motivate others to follow
- **Ethics** – a knowledge of one’s ethical responsibilities as an individual, a professional, a member of society, and a commitment to their fulfillment
- **Professionalism** – the habits, characteristics, and skills necessary to have a responsible and productive career
- **Entrepreneurial Mindset** – the habits and skills necessary for creative and innovative thinking, awareness of customer needs, and opportunity recognition
- **Lifelong learning** – the habits and skills to sustain and direct lifelong learning, and an appreciation of its importance

Campus Facilities

The seven main buildings, Academic Building, Campus Center, the Connie & Jim John Recreation Center, C. S. Mott Engineering and Science Center, Frances Willson Thompson Hall, the Innovation Center and the University Corner Building, are set off by an attractively landscaped campus.

The Academic Building is the “historical” center of the campus. It houses classrooms, science laboratories, computer laboratories, the library, the Humanities Art Center, McKinnon Theatre, and instructional and administrative offices, comprising a total floor space of nearly 400,000 square feet.

The Campus Center is the “activity” center for the campus. It houses Kettering Dining Services, C-Store, BJ’s Lounge & Grill, the Wellness Center, television studios, WKUF, Financial Aid, Admissions, Campus Safety, recycling center, student activities areas and other administrative offices.

Kettering’s 70,000 square foot Connie and Jim John Recreation Center, located just west of the Thompson Residence Hall, has a full complement of aerobic, strength, and sports amenities, in addition to student and alumni lounges, making it the likely focus of many student and alumni social and recreational activities. It houses a six-lane swimming pool, four multi-purpose regulation basketball courts, four racquetball courts, and a 1/8 mile suspended indoor track. Other areas include an aerobics/dance room, a free-weight room, and a fitness/exercise room that overlook the pool and gymnasium.

The C. S. Mott Engineering and Science Center has a total floor space of 130,000 square feet. The building houses Biochemistry, Chemistry, Mechanical Engineering, and alternative energy and automotive laboratories. Student project areas are provided, including the SAE garage.

Frances Willson Thompson Hall is the on-campus residence facility for Kettering University. The facility has four floors, and is designed in a figure eight formation with two courtyards. It is divided into 17 units of 17-37 residents. Common spaces include multiple lounges/lobbies, computer labs, a community kitchen, a gaming area and laundry facilities. Each resident room is equipped with a single bed, desk and chair, wardrobe unit with shelves, and with a micro fridge and microwave. All rooms are air conditioned, heated and have access to telephone and internet. Most residents share a suite with another resident (two private rooms connected by a door). Residents share community bathrooms, which are located at the intersections of each hallway.

Campus Village Apartments, although not Kettering-operated, are located on Kettering property, and provide suite-style housing for over 200 upper-class students. Students wishing to explore the Campus Village living option should call the Campus Village rental office at (810) 232-4960.

The Innovation Center at Kettering University is an approximately 9,000 square foot multi-tenant laboratory facility that supports scientific and technologically-based “start-up” companies that have a need for dedicated research laboratories in the first three to four years of their existence. It consists of six laboratories that are capable of being divided into twelve intimate laboratories, private offices, a conference/training room, business center, break area and private shower facilities. The Innovation Center is the first Leadership in Energy and Environmental Design (LEED) Silver Certified building in Genesee County.

Einstein Bros. Bagels, located in the University Corner Building across the street from the Campus Center, provides students the option of eating breakfast and lunch using their meal plans. The 2,500 square-foot building also houses a Flint Police Service Station.

Kettering facilities are accessible to the handicapped. The majority of the campus buildings are inter-connected for ease of movement during inclement weather. Convenient parking is provided adjacent to all campus buildings.

Harris Fields

Harris Fields, adjacent to the Recreation Center, is the 25 acre sports complex for use by Kettering students. The rectangular portion contains areas for two soccer fields or two flag football fields or two lacrosse fields. This section is lit by Musco Lighting, the premier sports lighting company in the world. Softball can be played on 4 fields, complete with backstops and crushed limestone infields. Lacrosse and soccer also utilize the outfields for club practices and games. Informal play, the popular IM Sports program and club sports all utilize Kettering Park. Students, faculty and staff are also active on the .62 mile (1K) walking/jogging path that circumscribes the sports fields.

The McKeachie picnic pavilion is a covered picnic area that features picnic tables, barbeque grilles, lighting and electrical power for student reserved or informal use. Adjacent to the pavilion are two sand volleyball courts that are very popular with students for IM play and pick up games. A synthetic grass golf green completes the outdoor recreational opportunities for students.

Numerous trees and shrubs have been planted and the complex is fenced in and the area bordering University Avenue features faux wrought

iron fencing and brick columns offering a distinctive look to one of the entrances to campus. The entire complex provides a first class venue for student recreation.

The Flint River Trail is a paved trail running along the Flint River from downtown Flint to the northern edge of Flint and on to either Bluebell Beach or Stepping Stone Falls. The trail is almost continuously asphalt and is suitable for walking, jogging, and/or biking and passes through the Kettering campus.

Atwood Stadium

Atwood Stadium (<https://my.kettering.edu/about/atwood-stadium>) has been an iconic landmark in the city of Flint for the past 85 years. Built on an old city dumpsite that was cleared by 3000 local volunteers in a single day, it sits right in the heart of the Flint community. Atwood has played host to many high school football games, including the Flint Northern/Flint Central series. It has also been the venue of choice for large-scale community events, such as visits from President Franklin Delano Roosevelt in 1936 and presidential candidate John F. Kennedy in 1960. Today, activities include all levels of football, soccer, lacrosse, health fairs, band competitions, and 10k road races.

In September 2013, Kettering University stepped up to the plate and assumed ownership of the venerable stadium in order to keep the facility from closing. Kettering is committed to maintain the traditional community uses of the stadium in addition to providing a new venue for Kettering student recreational and academic events. In August 2015, the University completed a multi-million dollar restoration project funded by the University and several community partners. Renovations included replacement of the turf with a state-of-the-art turf field that rivals numerous professional and Division 1 stadiums, restroom and concession stand improvements, concrete and masonry restorations, upgrades to the locker rooms and press box, as well as stadium lighting and fencing.

The Kettering University Alumni Carillon (Bell Tower)

The Bell Tower, also called Carillon, was erected as a part of the campus expansion in 1969, built with funds donated by GMI/Kettering Alumni and friends. At the dedication, it was noted that the structure would "serve as a dynamic symbol of identity between the alumni, students, and faculty". The carillon consists of 47 bells arranged in four octaves. The largest bell weighs nearly one ton while the smallest bell weighs only 20 pounds. The bells, made of 75 percent copper and 25 percent tin, were cast by the 200-year-old Petit & Fritsen Foundry of Aarle-Rixtel Netherlands. Designed by Tarapata-McMahon-Paulson Associates, the Kettering Carillon received the 1971 Honor Award for design from the Detroit Chapter of the American Institute of Architects.