Beyond self-driving cars, the connected cities of the future will have smart buildings, smart water systems and smart energy grids. As such, engineering education has to expand to include knowledge of infrastructure, the environment, technology, sensors and data science. The CEE Focus in Smart Cities gives you just that, guiding you through a tailored curriculum and immersive experiences outside the classroom.

This undergraduate Focus is built upon a foundation and major in Civil or Environmental Engineering (CEE). Civil and Environmental Engineers shape the world around us, building our habitats and sustaining our natural resources. To obtain your Focus, you will also take 15 credits from a tailored set of courses geared at Smart Cities. By planning ahead and selecting these courses as electives, you can complete your Focus as part of your four-year degree. Most students focusing on this area often meet the requirements for an LSA minor in Computer Science.

The CEE program at U-M is one of the top-ranked in the world, and a Focus on Smart Cities promises immense, rewarding and lucrative career opportunities. Throughout your time as part of our Smart Cities group, you will receive exclusive VIP tours of smart city testbeds. You will also get access to internships with companies and startups that are only available through our program. Sign up to join an unprecedented cohort of like-minded students, destined to build the smart cities of the future.

cee.umich.edu/smartcities

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Major: Civil or Environmental Engineering

Smart Water Systems (ENGR 100)

YEAR 1
Programming (ENGR 101)

YEAR 2
Computing (CEE 303)
Data Methods (CEE 373)

YEAR 3
Sensors (CEE 375)

YEAR 4

Smart Cities Track
Minor in Computer Science

Discrete Math (EECS 203 or MATH 465)

Data Structures I (EECS 280)

Data Structures II (EECS 281)

One CS Elective