I AM MatSE.

"UIUC is home to some of the most innovative research groups in the country, something which opens many doors for students in this program."
WHAT IS MATERIALS SCIENCE & ENGINEERING?
Materials are simply atoms joined together. Materials science studies the fundamental physical and chemical basis for the controlled combination of atoms to form new compounds, phases, and microstructures, as well as the characterization of the resulting structures and properties. Materials engineering draws heavily on the fundamental knowledge gained from materials science, and adapts the processes involved for creating products for our everyday lives. There is a rich interplay between the science and engineering aspects.

YOU CAN CALL US MATSE.
We love it when students harness their creative energy, technical skills, and collaborative spirit to invent new materials, innovate in science and technology, become entrepreneurs, and contribute to society. Novel and advanced materials are needed to overcome some of the greatest challenges of our time, such as renewably generating and storing energy, fighting cancer, exploring space, securing our nation, or providing universal access to clean water.

MatSE at Illinois: WE’RE CHANGING THE WORLD
MATERIALS BEG FOR US TO BE INNOVATIVE.
WOULDN’T IT BE COOL IF MY PHONE BATTERY CHARGED FASTER?
It would be cool. This is something our professors are currently working on improving — battery life! Novel devices are being designed and demonstrated all the time, including flexible solar cells and advanced battery designs that will lead the way to practical energy generation and storage for future generations.

I AM DRIVEN TO FIGHT AND CURE DISEASE.
So are we. Our professors are working on materials to find and fight disease faster, as well as unveiling the properties of living materials.

I’M PASSIONATE IN A LOT OF RESEARCH AREAS.
Great! Because materials are at the heart of every field in engineering. We have affiliations with the top laboratories and experts in specialized fields. By studying at MatSE at Illinois, you’ll be well-rounded and prepared for a wide range of fields to pursue.

“MatSE at UIUC is not only a close-knit family, but also a place where I can grow into my profession and passions.”
“I have always felt at home here with such a diverse and friendly group of students. We help each other grow through collective learning, be it in spontaneous group study sessions or group engineering projects, and the faculty and advisors are always there to listen and guide us in the right direction.”
YOU CAN EXPECT TO BELONG
TO A DIVERSE GROUP OF STUDENTS
WITH CURIOSITY IN COMMON.

FINDING NEW MATERIALS.
FINDING NEW FRIENDS.
At the University of Illinois, you will be able to network with, engage, and develop leadership within a variety of student-led organizations related to materials science and engineering, interdisciplinary engineering projects, and the betterment of society. Over 70 engineering societies and organizations are active at Illinois! Our students commonly participate in and lead organizations such as Material Advantage, Keramos, Makers UIUC, Illinois Solar Car, Society of Women Engineers, National Society of Black Engineers, and the Society of Hispanic Professional Engineers. Before you know it, MatSE will feel like home.