This talk will provide a brief overview of the Metallurgical and Materials Engineering Department and Materials Science on campus including some information on the student body, the faculty and their research interests and selected accomplishments, and the broader materials community on campus. The presentation then discusses some keys to success. Some of the differences between graduate and undergraduate study are noted and some recommendations for how best to succeed in graduate school are considered. Finally, a brief review of expectations and resources for help if needed are presented.

Dr. Angus Rockett
Colorado School of Mines

Rockett holds a ScB in physics from Brown University and a PhD in metallurgy/materials science and engineering from the University of Illinois. He is a professor emeritus in the Department of Materials Science and Engineering at the University of Illinois and has won numerous awards for teaching and advising. Rockett’s research group also developed numerical models of photovoltaic and photoelectrochemical cells. He also worked on self-assembled nanostructures, MEMS devices, silicide reactions for VLSI contacts, Si-Ge oxidation kinetics for gate dielectrics, superconducting cavity resonators as temperature probes and optical spectroscopic analysis of combustion. Rockett is a fellow of the American Vacuum Society, serving as president in 2011; was the 2012 program chair and the 2016 general chair of the IEEE Photovoltaic Specialists Conference; and was a rotating research program administrator at the Office of Basic Energy Sciences at the U.S. Department of Energy in 2000.