Class Overview

Science, technology and cybersecurity are required to form sound public policy. This course presents concepts and techniques for analyzing and formulating national science and technology policy. It examines the process of translating scientific knowledge into technological and cybersecurity knowledge used to design innovative products, processes and services and keep knowledge and organizational capital protected. Engage in dynamic interactive discussions with policy leaders to gain perspective and understand the challenges they face when attempting to leveraging science and technology to make decisions in today’s complex environment.

Learning Objectives

1. Explain why U.S. Science, Technology and Cybersecurity Policy is important and how this policy is developed and implemented at a national and industry level.

2. Develop a forward-looking technology roadmap based on the PCAST of your choice as a decision support tool for industry thought leaders and policy makers.

3. Analyze a President’s Council of Advisors on Science and Technology (PCAST) strategic report. Topics vary each semester; this semester focuses on: (1) Smart Cities and Cybersecurity, (2) Big Data and Privacy, (3) Forensic Science in Criminal Courts, (4) Systems Engineering in American Health Care, and (5) Renewable Energy and the Environment: Energy Technologies.

Enrollment and Cost

Nondegree students register through Continuing Education’s Summer Session. Students pay Summer Session tuition rates (resident or non-resident graduate rates apply).

1. Complete and submit the Online Enrollment Application for Continuing Education. You will receive an email with your student ID number and instructions on how to enroll.

2. Enroll for classes through Summer Session.