ENGR 10301
DEFENSE & SECURITY

MONDAYS (2:30 P.M - 3:20 P.M)
SYNCHRONOUS CLASS EXPERIENCE - 1 CREDIT SEMINAR

Dr. Steve Beaudoin
Chemical Engineering
Outstanding Mentor Award, College of Engineering, 2017
A.A. Potter Best Teacher Award, College of Engineering, 2017

COURSE DESCRIPTION

The United States Departments of Energy, Defense and Homeland Security play important roles in ensuring the security of our nation. These agencies ensure safety in transportation security environments; organize, deploy and supply our military; maintain stewardship of our nuclear arsenal; and develop and deploy our cybersecurity strategies, among setting the vision for advancing state-of-the-art solutions for pandemics, computing, energy, climate, and other advanced engineering challenges.

There is an impending shortage of domestic U.S. talent and future workforce for addressing critical skills in these areas. As result, there are new opportunities for Purdue students to learn more and establish exciting and fulfilling careers in this sector. As part of Purdue's national security priority, we are deepening our relationships with all of these agencies.

This one-credit seminar course will feature presentations by Purdue faculty and invited world-class researchers who work for the Departments of Energy, Defense and Homeland Security. These presentations will introduce topics related to the complex intersection of engineering, policy, and government research, and will demonstrate the many exciting opportunities Boilermakers have to work on these initiatives.

Guest lectures will include researchers from the Army Research Lab, Sandia National Labs & the Department of Homeland Security.