Systems Design and Management

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We are the Army's Systems Engineering Department educating cadets and developing faculty to lead teams that develop and implement high value solutions to challenging problems in a dynamic, uncertain, and technologically complex world.
The Systems Design and Management program reflects the overwhelming need for West Point graduates who are ready to lead multidisciplinary teams. Our leaders will perform systems thinking, systems design and modeling, and systems decision-making to address complex, ill-defined problems characterized by global, political, social, military, economic, and technological challenges. The program trades depth in traditional engineering disciplines for a blended skill set that well arms leaders and managers.

Each spring, the Department of Systems Engineering utilizes West Point’s projects day to host a Cadet Capstone Conference. The conference features works from undergraduate students from West Point and a number of other universities. Students present their work to an audience of fellow students, judges, clients and professors. Winners receive an award at the Capstone Banquet later that evening.

"As a Cadet, I was attracted to Systems and Industrial Engineering because of the superb faculty and students. After graduating, I am proud of my exposure to Systems thinking, because of how complex the 'real' world is. The tools, techniques, and mentorship I gained while studying Systems at West Point furnished me with a proven problem-solving methodology that makes even the most difficult situations surmountable. I have experienced great success as an officer because I am equipped with the ability to define the real problem, develop and present multiple solutions, and then help select and execute those solutions."

CPT Tommy Ryan, 1-27IN, 2SBCT, 25ID (PL, XO), 2-12IN, 41BCT, 41D (AS3, D Co CDR, HHC CDR), Class of 2006, Sys-