Virginia Military Institute
2009 Institute Honors Graduates

Vincent Abruzzese
History
Lincoln, McClellan and the Development of a Commander-in-Chief
Adviser: Brigadier General Charles Brower

Rammy Barbari
International Studies
Information Sharing: Did the Shift from "Need to Know" to "Need to Share" Really Occur?
Adviser: Colonel Robert Burnett

Alex Brush
History
The Death of French Pride: An Examination of the Franco-Prussian War
Adviser: Brigadier General Alan Farrell

Mario Capuozzo
Electrical and Computer Engineering
Development of a Compact Evolutionary Algorithm for Integer-Based Spiking Neural Network Controllers
Adviser: Colonel David Livingston

London Crounse
International Studies
American Exceptionalism: An International Anomaly with a Supernatural Explanation
Adviser: Colonel John Leland

Daniel Hingley
Civil Engineering
Evaluation of Alternative Electron Donors in Sequencing Batch Reactors (SBRs) Configured as a 4 Stage Bardenpho Process
Adviser: Lieutenant Colonel Charles Bott

Alex Kelley
Mechanical Engineering
Bio-Diesel Fuel: Is it Worth the Trouble?
Adviser: Captain Robert McMasters

Josh Kenny
Biology
Subarachnoid hemorrhage-induced cerebral vasospasm: Examining the putative role of inflammation and the effects of intracranial administered ibuprofen via controlled-release polymers in the haptoglobin 2-2 mouse model
Adviser: Colonel James Turner

Greg Lippiatt
English and History
The Wandering Pilgrim: Christian Asceticism in "The Wanderer" and "The Seafarer"
Adviser: Colonel Alan Baragona

Kevin Pelletier
Mechanical Engineering
BASE Jumping: The Dream of Human Flight
Adviser: Lieutenant Colonel Matthew Hyre

Josef Schroeder
Mechanical Engineering
Application and Feasibility of Electroactive Polymers
Adviser: Colonel Willard Neel

Julian Sculley
Chemistry
Design of a New Class of Cocrystal Formers
Adviser: Lieutenant Colonel Darren Timmons

Alex Snyder
Chemistry
The Putative Reproductive Pheromone of the Emerald Ash Borer
Adviser: Colonel Tappey Jones

Christina Stalnaker
Chemistry
Weaponizing Methyl Mercury: An Illustration of U.S. Food Supply Vulnerabilities to a Chemical Agroterrorism Attack
Adviser: Lieutenant Colonel Judith Cain

Doug Trask
Mechanical Engineering
Will Corn Give Us Gas? The Feasibility of Replacing Fossil Fuel with Biomass Energy Systems
Adviser: Captain Robert McMasters

Andy Zyra
Biology
Elemental and isotopic otolith chemistry as a means of tracking natal dispersal of fish populations in the James River basin
Adviser: Colonel Richard Rowe