

Prior-Year Winners of The Mathematical Competition and Interdisciplinary Competition

The 2009 Interdisciplinary Competition in Modeling Teams

Outstanding- Advisor Kristin Arney

Cadets: Sean Clement, Timothy Newlin, Joseph Lucas

The 2006 Interdisciplinary Competition in Modeling Teams

Outstanding- Advisor Randal Hickman

Cadets: Adam Seybert, David Ryan, Nicholas Ross

The 2004 Interdisciplinary Competition in Modeling Teams

Outstanding- Advisor Elizabeth Schott

Cadets: Dennis Glancy, Jeffrey Glick, Daniel Kang

The 2003 Interdisciplinary Competition in Modeling Teams

Outstanding- Advisor Michael Johnson

Cadets: Mike Powell, Tate Jarrow, Kyle Greenberg

The 2002 Mathematical Competition in Modeling Teams

Outstanding- Advisor David Sanders

Cadets: Mike Powell, Colin Landon, Tate Jarrow

The 2001 Mathematical Competition in Modeling Teams

Outstanding- Advisor Donovan Phillips

Cadets: Matthew Adams, Nicholas Howard, Zachariah Miller

The 2000 Mathematical Competition in Modeling Teams

Outstanding- Advisor David Bailey

Cadets: Kevin Arnett, Jonathan Gibbs, John Horton

The 1993 Mathematical Competition in Modeling Teams

Outstanding- Advisor Charles Clark

Cadets: John Petty, Ray Eason, Jon Rufenacht



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*To Our Esteemed Guests and Awardees,
Thank you for joining us on this special occasion as
we recognize cadets' outstanding academic
achievements. The mathematics program at the
United States Military Academy is extremely
challenging therefore, each award is quite an
accomplishment. During the ceremony we will
recognize students for their exemplary performance
throughout their four years at West Point and those
that achieved the highest average in math courses
during the Spring Term.*

Congratulations!



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DISTINGUISHED CADET AWARDS

~ **First Class Academic Excellence Award** ~

This award is based on academic excellence in mathematics courses taken by First Class Math/Operations Research Majors. The winner of this award is presented with a plaque and certificate.

**Cadet Benjamin Minden, Class of 2015
Mathematical Sciences with Honors**

~ **Second Class Academic Excellence Award** ~

This award is based on academic excellence in mathematics courses taken by Second Class Math/Operations Research Majors. The winner of this award is presented with a plaque and certificate

**Cadet Spencer Read, Class of 2016
Operations Research with Honors**



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HERTZ SCHOLAR

**CDT Richard C. Staatz, Jr., 1984
CDT Andrew M. Fedorchek, 1994**

TRUMAN SCHOLAR

CDT Zachariah R. Miller, 2002

OLMSTEAD FOUNDATION

**CDT Henry W. Bennett, 1983
CDT David C. Flemings, 1984**

**GEM FOUNDATION, Ph.D.
ENGINEERING FELLOWSHIP**

CDT Samuel D. Ellis, 2012

EAST-WEST SCHOLAR

CDT Robert Delaney, 2013



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**MATHEMATICS & OPERATIONS RESEARCH
SCHOLARS (1983-2014)**

RHODES SCHOLAR

CDT Calla Glavin, 2014
CDT Evan Szablowski, 2013
CDT Joshua Lospinoso, 2009
CDT Zachariah Miller, 2002

MARSHALL SCHOLAR

CDT Hans Joseph Pung, 1995
CDT Raymond L. Eason, Jr., 1994

ROTARY AMBASSADORIAL SCHOLAR

CDT George Bradley Wilson, 2008
CDT Jonathan David McCann, 2010
CDT Iain Cruickshank, 2010
CDT Ryan Brod, 2011
CDT Robert J. Baxter, 2012
CDT Nicholas Pappas, 2015

NATIONAL SCIENCE FOUNDATION FELLOW

CDT Andrew M. Fedorchek, 1994
CDT Malcolm Haynes, 1998
CDT Joshua Lospinoso, 2009

FULBRIGHT SCHOLAR

CDT Jeffrey Daniel Glick, 2005

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~ **MAJ Theodore Vincent and LT Lila Blanche Hromadka
Memorial Award** ~

This award is presented to the First or Second Class Cadet who demonstrates greatest potential for future studies in mathematics or operations research field. This award is made possible through a donation from faculty member Dr. Theodore Hromadka and his wife Laura in honor of Dr. Hromadka's parents Major Theodore Vincent Hromadka and Lieutenant Lila Blanche Hromadka, both former Army service members. The recipient of this award is presented with a cadet bust and is memorialized on a plaque prominently displayed in the Department of Mathematical Sciences.

**Cadet Andrew Doumont, Class of 2015
Mathematical Sciences with Honors**

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~ General of the Army Omar N. Bradley Award
for Excellence in Mathematics Electives ~

The General of the Army Omar N. Bradley Award is presented to a cadet for excellence in Elective Mathematics studies. This award, established in 1974, is also presented at the Graduation Awards Convocation where the cadet is given a wristwatch in the name of Mrs. Raymond W. Toms as a memorial to her husband Lieutenant Colonel Toms, Class of 1925. The winner of this award is memorialized on a plaque that is prominently displayed in Thayer Hall.

**Cadet Hannah Paugh, Class of 2015,
Mathematical Sciences with Honors**



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TOP GUN AWARDS - SPRING TERM

<u>COURSE</u>	<u>TITLE</u>	<u>CADET RECIPIENT(S)</u>
MA101	Math Modeling/Intro to Calculus	Uzoma Ezeonyeka
MA104	Calculus I	Joy Schaeffer
MA205	Calculus II	Gbenga Olaolorun
MA206	Probability and Statistics	Leonid Millman
MA255	Advanced Multivariable Calculus	Jack Ward
MA363	Vector Calculus and ODE	Bryce Wilkins
MA364	Engineering Mathematics	Zachary McNally
MA366	Applied Engineering Mathematics	Emily Ezerins
MA371	Linear Algebra	Andrea Stienke
MA385	Chaos and Fractals	Gustaro Maldonado
MA387	Mathematical Analysis I	Adam Kratch
MA388	Sabermetrics	Daniel Goodman
MA391	Math Modeling	Jacob Schmitz
MA462	Combinatorics	Austin Herrling
MA464	Applied Algebra with Cryptology	Hannah Paugh
MA476	Mathematical Statistics	Jacob Schmitz
MA481	Linear Optimization	Austin Herrling
MA488	Special Topics in Mathematics	Andres Martinez-Rodriguez
MA490	Applied Problems from MSE	Brandon Walker

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~ "The Problem of the Week" Award ~

"The Problem of the Week" Mathematics Problem Solving Competition Award is presented each semester to the cadet with the highest point total accumulated in the Department of Mathematical Sciences weekly competition.

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~ Network Science Excellence Award ~

Cadet Nicholas Juliano, Class of 2016
"Optimizing Intelligent Walks for Dark Network Discovery"

Cadet Ian Mauldin, Class of 2016
"Optimal Linear Arrangement of Graphs"

Cadet Nathan Swanson, Class of 2016
"Predicting the NHL Playoff with Page Rank"

Cadet Douglas Snyder, Class of 2016
"Tracking AQ Khan Network and its nuclear proliferation activities"

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~ Laura Helen Winkel Memorial Applied Math Award ~

The Laura Helen Winkel Award is presented to the graduating cadet for outstanding performance in the applied mathematics courses in the Mathematics Major Program. This award is made possible through a donation from faculty member, Dr. Brian Winkel and his wife Phyllis who in 2000 established this award in memory of their daughter Laura. The recipient of this award receives a gift certificate and is memorialized on a plaque prominently displayed in the Department of Mathematical Sciences.

Cadet Brandon Walker, Class of 2015
Mathematical Sciences with Honors

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~ **Second Lieutenant Zachariah Miller Memorial Award** ~

This award is given to the graduating cadet who demonstrates the greatest potential to contribute his or her knowledge of the mathematical sciences in service to the nation, who thus exemplifies the attributes of the late 2LT Zachariah Miller, USMA Class of 2002. Established in 2003, this award is made possible by a donation from Brigadier General (Retired) Frank Giordano. The recipient is decided by a committee comprised of Math Faculty and receives a book determined by the selection committee. The cadet receiving this award is memorialized on a plaque that is prominently displayed in the Department of Mathematical Sciences.

**Cadet Benjamin Minden, Class of 2015
Mathematical Sciences with Honors**



~ **The 2015 Mathematical Competition and Interdisciplinary Competition in Modeling Teams** ~

The Mathematical Contest in Modeling (MCM/ICM) involves three-person teams representing their schools. The teams spend a long weekend working on a very complex, applied problem, and they produce a written report of their solutions. There are over 10,000 teams from around the world that compete in these events.

The 2015 Mathematical Competition in Modeling Teams

Successful Participant - Advisor MAJ Josiah Pickett

CDTs Mary Liu, Clair Wang, Uriel Shao

Successful Participant - Advisor LTC Timothy Povich

CDTs Kevin Talty, Calvin Nguyen, Ian Greer

The 2015 Interdisciplinary Competition in Modeling Teams

Honorable Mention - Advisor MAJ Dan Koban

CDTs Sooji Park, Adam Tapia

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~Annual Mathematics Student Award~

This award is presented to cadets who are nominated by instructors for outstanding achievements in mathematics during the academic year. Cadets receiving this award are presented with a book to further their interest in mathematics as well as a certificate of accomplishment.

Cadet Joseph Bosse, Class of 2018
Cadet Alexandra Caudullo, Class of 2018
Cadet Alexander Miller, Class of 2018
Cadet Corey Pinkley, Class of 2018
Cadet Daniel Rabbia, Class of 2018
Cadet Brandon Wilson, Class of 2018
Cadet Shannon Wissemann, Class of 2018

~Omega Rho International Honor Society~

OMEGA RHO is a society of collegiate chapters and members for promoting and recognizing superior scholarship and leadership and formally became part of INFORMS in 1998. Membership is prestigious with only approximately 6,000 student and faculty inductees qualified at 38 Chapters. Cadets that meet the criteria for admission to Omega Rho are Operations Research majors and in the top twenty-five percent of their class.

Cadet Stephanie Eldridge
Cadet Gene Fogh
Cadet Marshall Malone
Cadet Travis Otey
Cadet Jessica Stokes
Cadet Spencer Read
Cadet Steven Ocasio
Cadet John Harvey

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~ Hollis Award ~
(Advisor Prof. Patrick Driscoll)

“The Hollis Award” was established by the United States Military Academy in 1995 to annually recognize an individual cadet or group of cadets that excel in their application of Operations Research/Systems Analysis methods in solving a real-world problem. This award is competitive among cadets and is presented in the name of Walter W. Hollis, former Deputy Undersecretary of the Army for Operations Research. The recipients of this award receive a plaque, a \$50 Series EE U.S. Savings bond and a letter of commendation from the Superintendent, USMA.

Cadet Marshall Malone, Class of 2015



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~ **Military Applications Society Award** ~

The Military Applications Society Award is presented to the cadet who displays excellence in Operations Research. This award, established in 1970, is also presented at the Graduation Awards Convocation where the cadet will receive a set of booksends in the name of the Institute for Operations Research and Management Sciences for Excellence in Operations Research. The winner of this award is memorialized on a plaque that is prominently displayed in Thayer Hall.

**Cadet Matthew Hughes, Class of 2014
Operations Research with Honors**



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