

Name: Barry Ezell

Current Date: 8 October 2021

Campus Address: Virginia Modeling Analysis and Simulation Center 1030 University Blvd, Suffolk VA 23435

Education:

- Ph.D. - Engineering Management, Old Dominion University - 2005
- Master of Science - Systems Engineering, University of Virginia - 1998
- Bachelor of Science (Honors) - Mechanical Engineering Technology, University of Southern Mississippi – 1988

Experience:

- Old Dominion University, Virginia Modeling, Analysis and Simulation Center, Suffolk, VA
Executive Director Computational Modeling Analysis and Simulation and VMASC Deputy Executive Director 2020 - Present
VMASC Deputy Executive Director and Director of Research Operations 2018 - 2020
Chief Scientist and Research Associate Professor 2010 - 2018
Research Assistant Professor 2008 – 2010
ODU Facility Security Officer 2017-2018
- Idaho National Laboratory – Sr. Critical Infrastructure Analyst and Risk SME Part-time (2019-Present)
- Innovative Decisions, Inc. – Consultant Part-time (2007-2019)
- U.S. Army Training Army and Doctrine Command, Fort Monroe, VA
Deputy Chief, Studies & Analysis 2005 - 2008
Deputy Director - The Army School System 2003 - 2005
- U.S. Military Academy, West Point, NY
- Deputy Director - Operations Research Center of Excellence 2000 – 2001
- Assistant Professor, Systems Engineering 1998 - 2001
- U.S. Army - (Various Locations) Commanding Officer, Staff Officer, Combat Veteran 1984 – 2008
- Deputy Director, The Army School System, TRADOC 2002-2005
- Deputy Chief, Studies and Analysis Division, ARCIC 2005-2008

Teaching:

- Multiple Short Courses: Decision and Risk Analytics, National Security Agency, U.S Department of Homeland Security, Sandia National Laboratories, Idaho National Laboratory 24-40 hours: September 2012-2020.
- Short Course: MODSIM World 2014: SARMA Course - Analytics and Decision Making, 8 hours, 2014.
- Continuing Education Course in Risk Analysis, 80th Military Operations Research Symposium, 16 Hours
- Short Course: Risk Modeling, Assessment and Management, Office of Risk Management and Analysis, 40 hours: January 2011
- Short Course: Risk Analysis (24 Hours), Battelle National Biodefense Institute, 40 hours: 2011.

- Short Course: Risk and Decision Analysis (32 hours), Sandia National Laboratory, 40 hours: April 2010
- Short Course: Risk Modeling, Assessment and Management, Office of Risk Management and Analysis, DHS 40 hours: December 2009
- Statistical Methods in Psychology (Adjunct Professor Saint Thomas Aquinas College, NY), Spring 2001
- Elementary Statistics (Adjunct Professor Mount Saint Mary's College, NY), Summer 2000 and Spring 2001
- United States Military Academy at West Point, Department of Systems Engineering
 - Introduction to Systems Design, fall 1998
 - Advanced Individual Studies, spring 1999, 2000, 2001
 - Systems Design II, spring 1999, 2000, and 2001
 - Systems Design I, spring 1998, fall 1999 and 2000

Student Mentoring:

- John Young (2020), Ph.D. M&S, Committee Director, Validation Risk Across Hierarchical Models.
- Alan Bell (2014), Ph.D. M&S, Committee Member, Time-Based Collision Risk Modeling for Air Traffic Management.
- Kara Hill (2012), Ph.D. EMSE, Committee Member, Risk Quadruplet: Integrating Assessments of Threat, Vulnerability, Consequence, and Perception for Homeland Security and Homeland Defense.
- Van Brewer (2010), Ph.D. EMSE, Committee Member, A Decision Making Construct for Complex Situations.
- Shelly Bumphus (2012), Ph.D. EMSE, Committee Co-director, Assessing Resiliency and Sustainability in an Intelligence Infrastructure System.

Publications:

Journal Articles

1. Caskey, S., and Ezell, B. (2021) Prioritizing Countries by Concern Regarding Access to Weapons of Mass Destruction Materials, *Journal of Bioterrorism and Biodefense*, Vol 12., No.1. (<https://www.omicsonline.org/open-access/prioritizing-countries-by-concern-regarding-access-to-weapons-of-massdestruction-materials.pdf>)
2. Robinson RM, and Ezell B. (2021) Criticality Assessment for a Regional Maritime Economy, *Journal of Emergency Management*, Vol. 19, No. 1. (<https://wmpillc.org/ojs/index.php/jem/article/view/2912>)
3. Madison L. Hassler, Daniel J. Andrews, Barry C Ezell, Thomas L. Polmateer, James H Lambert, (2020) Multi-perspective scenario-based preferences in enterprise risk analysis of public safety wireless broadband network, *Reliability Engineering & System Safety*, Vol. 197, 106775. (<https://ideas.repec.org/a/eee/reensy/v197y2020ics0951832018304022.html>)
4. Hester, P.T., Ezell, B., Collins, A., and Horst, J. (2020) A Review of Problem Structuring Methods for Consideration in Prognostics and Smart Manufacturing, *International Journal of Prognostics and Health Management*, Vol 7, No. 3. (<https://papers.phmsociety.org/index.php/ijphm/article/view/2413>)

5. Ezell, B. and Lawsure, K. (2019) Homeland Security and Emergency Management Grant Allocation, *Journal of Leadership Accountability and Ethics*, Vol 16, No.4. (<https://articlegateway.com/index.php/JLAE/article/view/2371>)
6. Young, J. and Ezell, B. (2019) Validation of Risk in Hierarchical Models, *Proceedings of the 2019 Winter Simulation Conference: Simulation for Risk Management*, Gaylord National Resort & Conference Center, National Harbor, MD. (<https://ieeexplore.ieee.org/document/9004868>)
7. Gore, R., Diallo, S., Padilla, J. and Ezell, B. (2018) Assessing Cyber-incidents, Using Machine Learning, *International Journal of Information and Computer Security*, Vol. 10, No. 4. (<https://www.inderscience.com/info/inarticle.php?artid=95298>)
8. Hester, P.T., Ezell, B., Collins, A., Horst, J., and Lawsure, K. (2017) A method for key performance indicator assessment and improvement in manufacturing organizations. *International Journal of Operations Research*, 14(4), 157-167. (http://www.orstw.org.tw/ijor/vol14no4/IJOR2017_vol14_no4_p157_p167.pdf)
9. Lathrop, J. and Ezell, B. (2017) A Systems Approach to Risk Analysis Validation for Risk Management, *Safety Science*, Vol. 99, pp. 187-195 (<https://www.semanticscholar.org/paper/A-systems-approach-to-risk-analysis-validation-for-Lathrop-Ezell/16263c250edab701b881c678e7cd1d7f17dd34d1>)
10. Collins, A., Robinson, R., Foytik, P., Jordan, C. and Ezell, B. (2016) Integrating a Simple Traffic Incident Model for Rapid Evacuation Analysis, *International Journal of Transportation*, Vol 4, No. 3. (https://digitalcommons.odu.edu/vmasc_pubs/22/)
11. Collins, A., Hester, P., Ezell, B., and Horst J. (2016) An improvement selection methodology for key performance indicators, *Environmental Systems and Decisions*, DOI 10.1007/s10669-016-9591-8. (<https://www.semanticscholar.org/paper/An-improvement-selection-methodology-for-key-Collins-Hester/2eee60d15480008d4f4b16c3b9bbe55d6557c7b2>)
12. Lathrop, J. and Ezell, B. (2015) Validation in the Absence of Observed Events, *Risk Analysis*, DOI: 10.1111/risa.12442 (<https://www.osti.gov/pages/biblio/1262178-validation-absence-observed-events>)
13. Collins, A. J., Flanagan, D., and Ezell, B. (2014) Analysis of the Cost of Emergency Managers' Meeting Load: A Hampton Road Case-study, *Homeland Security and Emergency Management*, Vol. 12., No. 1. (<https://www.degruyter.com/document/doi/10.1515/jhsem-2014-0005/html>)
14. Ezell, B., Robinson, R., Foytik, P, Jordan, C., Flanagan, D. (2013) Cyber Risk to Transportation, Industrial Control Systems, and Traffic Signal Controllers, *Environmental Systems and Decisions*, DOI: 10.1007/s10669-013-9481-2. pp. 508-515 (<https://link.springer.com/article/10.1007/s10669-013-9481-2>)
15. Caskey, S., Ezell, B., and Dillon, R. (2013) Global Chemical, Biological, and Nuclear Threat Potential Prioritization Model, *Journal of Bioterrorism and Biodefense*, Vol 4 No. 125. (<https://www.omicsonline.org/global-chemical-biological-and-nuclear-threat-potential-prioritization-model-2157-2526.1000125.php?aid=21734>)
16. Robinson, R., Ezell, B., Foytik, P, Jordan, C., Weiss, J. (2013) Cyber Risk to Transportation Industrial Control Systems, *Cyber Security and Information Systems Information Analysis*, Vol. 1 No. 4. (<https://csiac.org/articles/cyber-risk-to-transportation-industrial-control-systems/>)

17. Dennis Buede, Suzanne Mahoney, Barry Ezell, and John Lathrop (2012) Using Plural Models for Predicting Decisions Made by Adaptive Adversaries, *Reliability Engineering and System Safety*, Vol. 108. (<https://www.sciencedirect.com/science/article/pii/S095183201200107X>)
18. Barry Ezell, Joshua Behr, and Andrew Collins (2012) Identifying Factors that Influence Terrorist Decisions and Target Selection, *Homeland Security and Emergency Management*: Vol. 9. No. 1. (<https://www.degruyter.com/document/doi/10.1515/1547-7355.1974/html>)
19. Diaz, R. and Ezell, B. (2011) Using Analytical Network Process Decision Methodology to Analyze and Allocate Resources in the Army Training Support System, *International Journal of Operations Research*, Vol. 3. No. 3. (<https://www.semanticscholar.org/paper/Using-Analytical-Network-Process-Decision-to-and-in-Diaz-Ezell/d452bf1efd92c527fdc6c07647e08cd4cc6dc787>)
20. Diaz, R. and Ezell, B. (2011) Simulation-based Optimization Approach to a Lost Sale Stochastic Model, *International Journal of Operations Research*, Vol. 3. No. 4. (<https://www.semanticscholar.org/paper/A-Simulation-Based-Optimization-Approach-to-a-Lost-Diaz-Ezell/8fd856d9dc6490b8e291ba88b8e8ead6c0ada650>)
21. ¹Ezell, B., von Winterfeldt, D. Bennett, S. Sokolowski, J. and Collins, A. (2010) Probabilistic Risk Analysis and Terrorism Risk, *Risk Analysis*, Vol. 30. No. 1. (<https://www.dhs.gov/xlibrary/assets/rma-risk-assessment-technical-publication.pdf>)
22. Ezell B., and Collins, A. (2011) Letter to Editor in Response to Brown and Cox, How Probabilistic Risk Assessment Can Mislead Terrorism Analysts, *Risk Analysis*, Vol.31. No.2. (<https://onlinelibrary.wiley.com/doi/10.1111/j.1539-6924.2010.01562.x>)
23. Ezell, B., and von Winterfeldt, D., (2009) Probabilistic Risk Analysis and Bioterrorism Risk, *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science*, Vol.7. No.1. (<https://pubmed.ncbi.nlm.nih.gov/19379110/>)
24. Ezell, B. (2007) Critical Infrastructure Vulnerability Assessment Model (I-VAM), *Risk Analysis*, Vol. 27, No. 3. (<https://pubmed.ncbi.nlm.nih.gov/17640208/>)
25. Ezell, B. and Crowther, K. (2007) Philosophical Issues and Their Implications for the Systems Architect, *Foundations of Science*, Vol. 12, No. 3. (<https://www.semanticscholar.org/paper/Philosophical-Issues-and-their-Implications-for-the-Ezell-Crowther/2ddf82e6de43ea9a2309cd12ce326572e65c8028>)
26. Ezell, B. Haimes, Y. and Lambert, J. (2001) Risks of Cyber Attack to Water Utility Supervisory Control and Data Acquisition Systems, *Military Operations Research*, Vol. 6, No. 2. (<https://www.semanticscholar.org/paper/Risks-of-Cyber-Attack-to-Water-Utility-Supervisory-Ezell-Haimes/ea127ca952aabf9de558e0c40e8ca2055bd83f55>)
27. Brantley, M. and Ezell, B. (2001) Analysis Paradigms: Are you thinking on-, in, or outside-the-box? *Military Engineer*, Vol. 93, No. 612.
28. Ezell, B., Brantley, M. and Davis, M. (2001) Base Camp Design: Developing a Decision Support Tool for Site Selection and Facility Layout, *Military Engineer*, Vol. 93, No. 610.
29. Ezell, B., Farr, J., and Wiese, I. (2000) Infrastructure Risk Analysis for Municipal Water Distribution System, The American Society of Civil Engineers (ASCE): *Infrastructure Systems*, Vol. 6, No. 3. (<https://ascelibrary.org/doi/abs/10.1061/%28ASCE%291076-0342%282000%296%3A3%28118%29>)

¹ Best Paper, Society of Risk Analysis

30. Ezell, B., Farr, J., and Wiese, I. (2000) The Infrastructure Risk Analysis Model, The American Society of Civil Engineers (ASCE): *Infrastructure Systems*, Vol. 6, No. 3.
(<https://ascelibrary.org/doi/abs/10.1061/%28ASCE%291076-0342%282000%296%3A3%28114%29>)

Book Chapters

1. Lathrop, J. and Ezell, B. (2017) Validating Terrorism Risk Assessment Models – Lessons Learned from 11 Models, in *Improving Homeland Security Decisions*. Ed. A. Abbas, M. Tambe, and D. von Winterfeldt. (<https://www.cambridge.org/core/books/abs/improving-homeland-security-decisions/validating-terrorism-risk-assessment-models-lessons-learned-from-11-models/390D28D529A8E56D3F4C633244FBCB03>)
2. Parnell, G. and Ezell, B. (2017) Organizational Design Processes, in *Improving Homeland Security Decisions*. Ed. A. Abbas, M. Tambe, and D. von Winterfeldt.
(<https://www.cambridge.org/core/books/abs/improving-homeland-security-decisions/organizational-decision-processes/305AAFFE24C505D9C843E5D4EEAA7A40>)
3. Tatman, J. and Ezell, B. (2015) Bayes Net Modeling in The Digital Patient. Sokolowski, J. and Banks, C., Wiley New York, 241-260. (<https://onlinelibrary.wiley.com/doi/10.1002/9781118952788.ch17>)
4. Ezell, B. and Parnell G. (2015) Comparison of Approaches for Adversary Modeling Decision Support for Counterterrorism. *Conflict and Complexity*. P. V. Fellman, Y. Bar-Yam and A. A. Minai, Springer New York. (https://link.springer.com/chapter/10.1007%2F978-1-4939-1705-1_9)
5. Ezell, B. (2014) Homeland Security Risk Modeling, Book, in *Handbook of Real-World Applications in Modeling and Simulation*, John Wiley and Sons, NY.
(<https://onlinelibrary.wiley.com/doi/10.1002/9781118241042.ch4>)

Other Publications

1. Ezell, B. (2016) Cyber Security Scores, Risk and Compliance (riskandcompliancemagazine.com/cyb)
2. Lawsure, K. Ezell, B., Collins, A., Horst, J., and Hester, P. (2015) Web Enabled Selection Method for Key Performance Indicators for Manufacturing, MODSIM World Paper No. 43.
3. Gore, R. and Ezell B. (2015) Terrisk: Uncertainty in Bioterrorism Models, MODSIM World.
4. Lawsure, K. and Ezell, B. (2014) Virginia Homeland Security Portfolio Value Mode, MODSIM World.
5. Collins, A, Robinson, R.M., Jordan, C., Foytik, P., and Ezell, B. (2014) Exploring the Effects of Traffic Incidents within an Evacuation Simulation, National Evacuation Conference.
6. Balaban, M., Mastaglio, T., Sokolowski, J., and Ezell, B. (2014) Exploration of Soldier Morale Using Multi-Method Simulation Approach. Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC).
7. Collins, A.J.; Robinson, R.M.; Jordan, C.A.; Foytik, P.; Ezell, B.C. (2013) Generic incident model for use in large-scale evacuation simulations, *Technologies for Homeland Security (HST)*, IEEE International Conference, pp.26,31, 12-14 Nov. 2013, doi: 10.1109/THS.2013.6698971
8. Barry C. Ezell and Jennie Jastrzemski (2008) How to Do a Peer Review, *Phalanx*, Vol. 41, No. 3.
9. Barry C. Ezell (2008) Republic of Georgia Air Defense Capability Assessment Report, Office of the Secretary of Defense.

10. Barry C. Ezell (2008) Army Experimentation and Studies Information System: understanding the issues and the way forward for a modern content management system, Army Capabilities Integration Center.
11. Barry C. Ezell (2006) Book Review: Systems Decision Making in Systems Engineering and Management, Phalanx, Vol. 39, No. 4.
12. Barry C. Ezell (2005) Dissertation: Quantifying Vulnerability to Critical Infrastructure, Old Dominion University, Advisor: Dr. Chuck Keating, Department of Engineering Management and Systems Engineering, Old Dominion University.
13. Barry C. Ezell, Book Review (2005) Risk Modeling, Assessment and Management, 2nd Edition, *Risk Analysis*, Vol. 25, No. 5.
14. Barry C. Ezell (2005) How vulnerable is your SCADA system? Control Magazine, February.
15. Barry C. Ezell (2003) Toward a Systems-Based Vulnerability Assessment Methodology for Water Supply Systems, Engineering Foundation Conference, Risk-Based Decision-Making in Water Resources X Proceedings.
16. Barry C. Ezell (2001) Base Camp Technical Report, Operations Research Center, United States Military Academy, West Point, NY.
17. Matthew U. Robertson, Barry C. Ezell, and Michael L. McGinnis (2001) Base Camp Facility Layout, International Conference on Systems, Man and Cybernetics Proceedings.
18. Randall Klingaman, Ricardo O. Morales, Barry C. Ezell, and Michael L. McGinnis, Using Cluster Analysis to Develop a Uniformed Joint Task List for Rapid Decisive Operations, International Conference on Systems, Man and Cybernetics Proceedings.
19. Greg Parnell, Barry C. Ezell, Yacov Y. Haimes, Kent Schlüssel, and Mark Sulcoski (2000) Designing a Knowledge Hierarchy for an Operation Other Than War Decision Support System for Military Planners, Phalanx: A Bulletin for the Military Operations Research Society.
20. Barry C. Ezell, Daniel J. McCarthy, William L. Ratliff, Jr., and Michael L. McGinnis (2000) Joint Military Headquarters Redesign, International Conference on Systems, Man and Cybernetics Proceedings.
21. Barry C. Ezell, Gregory Parnell, Yacov Y. Haimes, and James H. Lambert (2000) Designing an OOTW Decision Support System Military Planners, International Conference on Systems, Man and Cybernetics Proceedings.
22. Barry C. Ezell, Mark J. Davis, and Michael L. McGinnis (2000) Designing A Decision Support System for Military Base Camp Site Selection and Facility Layout, Engineering Foundation Conference, Risk-Based Decision Making in Water Resources IX Proceedings.
23. Barry C. Ezell (1998) Quantifying the Risk of Cyber Intrusion through Total Risk Management, the Proceedings of the Institution of Engineers, Australia, Western Australian Division: SCADA at the Crossroads 1998, (an international conference at the Sheraton Perth Hotel, Western Australia).
24. Barry C. Ezell (1998) Thesis: Risks of Cyber Attack to Supervisory Control and Data Acquisition for Water Supply, Department of Systems Engineering, University of Virginia, Advisor: Professor Yacov Y. Haimes.
25. Barry C. Ezell, Air Defense for the 197th Infantry Brigade (Separate) during Operation Desert Shield and Storm, Arabian Knights: A Special Publication for and about our Air Defense Artillery Veterans of Operation Desert Storm, August 1991.

Grants Awarded (\$11.2M, 2008-Present):

Start	End	Funding Agency	Project Description	Role	Award Amt	Ezell Amt	Collaborators
9/17/2021	9/16/2023	Systems Engineering Research Center	Federal Law Enforcement Training Center Curriculum Study	PI	\$ 750,000	\$ 150,000	Co-PI: Holly Handley, Deri Amason, Jessica Johnson, Chris Lynch
1/1/2021	7/31/2021	Virginia Department of Emergency Management	Covid 19 Forecasting and Analytic Support to VDEM and VDH	PI	\$ 29,988	\$ 88,200	Co-PI: Ross Gore, Chris Lynch
7/1/2021	6/30/2022	Hampton Roads Planning District Commission	Risk and Decision Analytic Support to The Hampton Roads Urban Areas Security Initiative Grant and The Threat Hazard Risk Assessment	PI	\$ 61,750	\$ 61,750	
1/1/2021	12/31/2021	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth of Virginia	PI	\$ 325,000	\$ 325,000	
1/1/2020	12/31/2020	Virginia Department of Emergency Management	Risk and Decision Analytic Services to Homeland Security	PI	\$ 6,293	\$ 6,293	
7/24/2020	1/21/2022	Circadence	Air Force Research Laboratory Secure Live Virtual Constructive Advanced Training Environment	PI	\$ 117,771	\$ 117,771	
9/28/2020	9/27/2021	NAVSUP Fleet Logistics Center Norfolk	Joint Forces Staff College Senior Fellows Program	PI	\$ 115,919	\$ 115,919	
10/1/2020	6/30/2022	Virginia Department of Emergency Management	Mission Critical Updates for The Real-Time Evacuation Planning Model (RtePM)	Co-PI	\$ 175,000	\$ 35,000	PI: Mike Robinson
1/1/2020	12/31/2020	Virginia Department of Emergency Management	Local Capability Assessment Report Analysis	PI	\$ 36,000	\$ 18,000	Co-PI: Kaleen Lawsure
1/1/2020	12/31/2020	Virginia Department of Emergency Management	Mind Mapping to Support Recovery Operations for 2020 Disasters	PI	\$ 10,000	\$ 5,000	Co-PI: Kaleen Lawsure
7/1/2020	6/30/2021	Lockwood Hills	Subject Matter Expert Advanced Distributed Learning Initiative	PI	\$ 171,005	\$ 171,005	
7/24/2020	1/21/2022	Circadence	Distributed Secure Live, Virtual and Constructive Air Combat System Training Environment (SLATE)	PI	\$ 639,945	\$ 63,945	Co-PI: Deri Amason
1/1/2020	12/31/2020	Virginia Department of Emergency Management	Risk and Decision Analytic Services to Homeland Security	PI	\$ 73,000	\$ 73,000	
1/20/2020	6/30/2021	Hampton Roads Planning District Commission	Risk and Decision Analytic Support to Hampton Roads Urban Areas Security Initiative Grant and The Threat Hazard Risk Assessment	PI	\$ 65,787	\$ 65,787	

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5/2/2020	5/1/2022	Joint Non-Lethal Weapons Directorate	USMC Non-Lethal Fires Directorate IPA	PI	\$ 366,728	\$ 366,728	
2/24/2020	2/23/2022	Old Dominion University	Coastal Virginia Maritime Advancement Programs (COVA Map)	Co-PI	\$ 1,532,500	\$ -	PI: Mike Robinson
4/1/2020	6/30/2020	New College Institute	Martinsville Stempowerment Workshop	Co-PI	\$ 17,060	\$ -	PI: Jessica Johnson
9/23/2019	1/31/2020	CNA Corporation	After Action Report for The Vest Response Operations to Hurricanes Florence and Michael	PI	\$ 35,000	\$ 35,000	
9/19/2019	9/18/2021	Norfolk Naval Shipyard	Lean Six Sigma Training Space	PI	\$ 47,850	\$ 47,850	
9/28/2019	8/27/2021	NAVSUP Fleet Logistics Center Norfolk	Western Hemisphere Illicit Network Review	PI	\$ 1,064,800	\$1,064,800	
11/12/2019	5/1/2020	Joint Non-Lethal Weapons Directorate	IPA - Brian Long - Active Denial System SME	PI	\$ 120,117	\$ 120,117	
6/3/2019	9/30/2019	Applied Research Associates, Inc.	System of Systems Operational Analytics	PI	\$ 28,522	\$ 28,522	
4/1/2019	3/31/2020	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth of Virginia	PI	\$ 252,430	\$ 252,430	
2/4/2019	4/30/2019	Chesapeake Regional Healthcare	Chesapeake Regional Healthcare Lean and Six Sigma Green Belt Cohort Training Workshops	PI	\$ 14,500	\$ 725	PI transfer from Larry Filer
2/4/2019	4/30/2019	VA Port Authority	Lean and Six Sigma Green Belt Cohort Training Workshops	PI	\$ 12,000	\$ 600	PI transfer from Larry Filer
12/7/2018	3/31/2019	VA Port Authority	Port of Va Lean & Value Stream Mapping Combo Workshops	PI	\$ 6,000	\$ 300	PI transfer from Larry Filer
9/15/2018	6/15/2019	Foodbank of Southeast VA and Eastern Shore	Lean Principles and Value Stream Mapping Combo Workshop and Implementation Project	PI	\$ 13,500	\$ 13,500	
3/12/2019	10/28/2019	Naval Air Warfare Center TSD	Department of Defense's Modeling and Simulation Technology Readiness Commercialization - Phase II: Develop Product Design, Build and Test (Prototype) - GPS Vehicle Tracker	Co-PI	\$ 60,000	\$ 1,200	PI: Andy Collins
5/15/2018	4/15/2019	LPR, Inc.	Risk and Decision Analytic Support to The Commonwealth Virginia State Homeland Security Grant Program	PI	\$ 55,000	\$ 55,000	PI transfer from Larry Filer
4/1/2018	5/31/2019	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth Virginia State Homeland Security Grant Program	PI	\$ 232,430	\$ 232,430	
11/9/2018	12/31/2021	Alex - Alternative Experts, LLC	USMC Non-Lethal Fires Course Development	PI	\$ 99,186	\$ 39,674	Co-PI: Deri Amason
3/19/2018	4/13/2018	Applied Research Associates, Inc.	Federal Protective Services Risk Analysis Peer Review	PI	\$ 5,708	\$ 5,708	

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3/15/2018	5/15/2018	G2 Ops, Inc	Proactive Cyber Security Data-Driven Assessment Tool: Phase 3	Co-PI	\$ 12,000	\$ 3,000	PI: Ross Gore
2/1/2018	4/30/2018	MITRE Corporation	State Homeland Security Data Exchange	PI	\$ 11,250	\$ 11,250	
9/15/2017	8/16/2018	Applied Research Associates, Inc. Virginia	System of Systems Operational Analysis	PI	\$ 57,647	\$ 28,823	Co-PI: Saikou Diallo
4/1/2017	3/31/2018	Department of Emergency Management Virginia	Hampton Roads Urban Areas Security Initiative Threat Hazard Identification Risk Assessment	PI	\$ 20,000	\$ 10,000	Co-PI: Kaleen Lawsure
8/15/2017	1/15/2018	Department of Emergency Management Virginia	Hampton Roads Maritime Area- Port of Virginia Risk Assessment II	Co-PI	\$ 35,000	\$ 12,250	PI: Mike Robinson
9/11/2017	3/10/2018	G2 Ops Global Inc.	Proactive Cyber Security Data-Driven Assessment Tool: Phase 2	Co-PI	\$ 35,000	\$ 11,550	PI: Ross Gore
9/1/2017	12/31/2017	Virginia Department of Emergency Management	Critical Infrastructure Protection Program Facilitated Workshop	PI	\$ 10,000	\$ 50,000	Co-PI: Mike Robinson
7/20/2017	2/28/2019	Davis Interiors	Management Mentoring Davis Interiors	PI	\$ 3,250	\$ 3,250	
7/1/2017	11/30/2017	Virginia Department of Emergency Management	ODU UVA GMU Independent Evaluation for FirstNet State Plan	PI	\$ 50,000	\$ 50,000	
4/1/2017	3/31/2018	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth Virginian State Homeland Security Grant Program	PI	\$ 135,000	\$ 135,000	
4/24/2017	5/31/2018	Battelle Corp	Mitigation Optimization & Net Assessment Decision Support System	PI	\$ 104,000	\$ 62,400	Co-PI: Ross Gore
11/7/2016	5/7/2017	G2 Ops Global Inc.	Proactive Cyber Security Data-Driven Assessment Tool	Co-PI	\$ 20,398	\$ 10,199	PI: Ross Gore
4/1/2016	12/31/2016	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth Virginian State Homeland Security Grant Program	PI	\$ 65,000	\$ 65,000	
1/21/2016	12/31/2016	Battelle Corp	Mitigation Optimization & Net Assessment (Mona) Decision Support System	PI	\$ 250,000	\$ 125,000	Co-PI: Ross Gore
9/1/2015	3/31/2017	Virginia Department of Emergency Management	Workshop on Long-Term Degradation of Interdependent Critical Infrastructures in Hampton Roads	PI	\$ 20,100	\$ 5,025	Co-PI: Mike Robinson
4/1/2015	12/31/2015	Virginia Department of Emergency Management	Risk and Decision Analytic Support to The Commonwealth of Virginia State Homeland Security Grant Program	PI	\$ 61,000	\$ 61,000	

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7/15/2015	9/30/2015	National Institute of Standards and Technology	Key Performance Indicator Effectiveness for Sensing and Control Smart Manufacturing	PI	\$ 408,304	\$ 163,322	Co-PI: Andy Collins, Patrick Hester
5/14/2014	4/30/2015	Virginia Department of Emergency Management	Grant Scoring and Website Db for Proposal Submission	PI	\$ 28,000	\$ 28,000	
8/8/2013	9/30/2013	Space and Naval Warfare Systems Center	Engineering Science and Technology Research Relating to Information Dominance Applications	Co-PI	\$ 20,450	\$ 6,749	PI: Charles Keating
8/1/2013	12/31/2013	Virginia Department of Emergency Management	State Homeland Security Scoring System	PI	\$ 32,000	\$ 32,000	
7/22/2013	8/15/2013	Hampton Roads Planning District Commission	Urban Area Working Group Analytic Support	PI	\$ 4,899	\$ 4,899	
11/1/2012	1/31/2013	Virginia Department of Emergency Management	Regional Resilience Assessment	PI	\$ 2,995	\$ 2,995	
11/1/2012	2/28/2013	Virginia Department of Emergency Management	Reducing Stakeholder Fatigue: Integrating Governing Bodies, Committees and Working Group Contributions to Risk Management	Co-PI	\$ 15,500	\$ 7,750	PI: Andy Collins
7/1/2012	6/30/2013	Virginia Department of Emergency Management	Regional Catastrophic Preparedness Grant Program: Real-Time Evacuation Modeling and Simulation for The National Capital Region	Co-PI	\$ 900,000	\$ 225,000	PI: Mike Robinson
7/1/2012	10/31/2012	Virginia Department of Emergency Management	Criteria for State Homeland Security Grant Project: Scoring and Assessment	PI	\$ 8,000	\$ 8,000	
7/1/2012	6/30/2013	Virginia Department of Emergency Management	Hampton Roads Regional Catastrophic Planning Team Phase III	Co-PI	\$ 538,161	\$ 80,724	PI: Joshua Behr, Rafael Diaz
6/19/2012	11/10/2012	White Hot Security, Inc.	Industrial Control Systems Cyber Conference	PI	\$ 57,125	\$ 57,125	
2/1/2012	2/28/2014	Virginia Department of Emergency Management	Hurricane Evacuation Encouragement Demonstrator (HEED) Prototype	PI	\$ 50,000	\$ 25,000	Co-PI: Solomon Sherfey
12/1/2011	6/30/2012	Virginia Department of Emergency Management	Cyber Risk to Hampton Roads Transportation Control Systems Virginia Critical Transportation Infrastructure	PI	\$ 127,149	\$ 127,149	
6/1/2011	9/30/2013	Hampton Roads Planning District Commission	Extension/Supplement to HRPDC Project	PI	\$ 25,000	\$ 25,000	
6/1/2011	9/30/2013	Hampton Roads Planning District Commission	Analytical Support of The Hampton Roads Urban Area Security Program	PI	\$ 20,000	\$ 20,000	
3/1/2011	10/15/2012	Old Dominion University	Mapping Neighborhood Community Vulnerability and Medically Fragile Populations in Hampton Roads	Co-PI	\$ 13,440	\$ 22,688	PI: Joshua Behr

Start	End	Funding Agency	Project Description	Role	Award Amt	Ezell Amt	Collaborators
7/1/2010	8/31/2011	Virginia Department of Emergency Management	2011 Hampton Roads Full Scale Exercise	PI	\$ 400,000	\$ 160,000	Co-PI: Joshua Behr, Mike Robinson
9/1/2010	12/31/2010	Battelle National Biodefense Institute	Short Course on Risk Analysis	PI	\$ 25,000	\$ 25,000	
12/5/2008	5/31/2011	Battelle National Biodefense Institute	Expanded Scope & Resources for Modeling Workshop	PI	\$ 50,000	\$ 25,000	Co-PI: Joshua Behr
9/29/2010	9/28/2011	NAVSUP Fleet Logistics Center Norfolk	JUOO Support	Co-PI	\$ 400,000	\$ 200,000	PI: John Sokolowski
5/1/2010	9/1/2010	Rileen Innovative Technologies, Inc.	Review Industry Best Practices and Recommend Tunnel Asset & Systems Inspection Process	PI	\$ 55,948	\$ 27,974	Co-PI: Adrian Gheorghe
7/15/2010	12/31/2010	Daewoo Information System Co. Ltd.	C4 Intelligence Surveillance and Reconnaissance	PI	\$ 20,000	\$ 20,000	
5/6/2010	8/31/2011	NAVSUP Fleet Logistics Center Norfolk	JATA Support	PI	\$ 400,000	\$ 200,000	Co-PI: Rafael Diaz
2/1/2010	12/31/2010	Battelle National Biodefense Institute	Assessment of Various Approaches to Modeling Risks in the 2010 BTRA-Project R0806	PI	\$ 80,000	\$ 27,200	Co-PI: Andy Collins, Rafael Diaz
12/15/2008	5/31/2011	Battelle National Biodefense Institute	Bioterrorism Risk Modeling	PI	\$ 89,388	\$ 89,388	

Research Grant Pending:

Notified of award \$1.075M: Awaiting "Authorization to Proceed from prime contractor Circadence, Inc.
Title: Electric Magnetic Spectrum Study

Grants Applied For (Declined)

Start	End	Agency	Title	Role	Credit	Amount
8/1/2019	7/31/2020	National institute of Standards and Technology	Improving User Accessibility and interactivity of KPI Standard E3096-17 With Reactive Web	PI	50%	\$115,119
6/1/2019	11/30/2019	Vectrona, LLC	TRASIM: The Domestic Threat Risk Assessment Simulation tool	Co-PI	50%	\$109,468
2/15/2019	10/30/2019	Vectrona, LLC	Analysis of insurance Data from Weather Events	PI	50%	\$90,106
2/8/2019	2/22/2019	Alex - Alternative Experts, LLC	Joint Professional Military Education Promotional Video	PI	100%	\$1,000
9/1/2018	8/31/2021	Virginia Department of Emergency Management	Maritime System Critical Infrastructure Dependency tool	Co-PI	10%	\$473,726
8/22/2018	8/29/2018	Applied Research Associates, INC.	Peer Review of Amo Airborne Fleet Land Domain Study	PI	100%	\$2,509
6/1/2018	5/31/2020	Army Research Office	Developing A Modeling Algorithm for Strategic Group formation	Co-PI	4%	\$255,514

Start	End	Agency	Title	Role	Credit	Amount
4/1/2018	3/31/2019	National institute of Standards and Technology	KPI Standards Web-Based tool	PI	50%	\$99,944
11/1/2017	10/31/2019	US Department of Justice	Utilizing Bayesian Network Modeling to Map the Characteristics of Sexual Assaults	Co-PI	30%	\$361,178
9/1/2017	8/31/2020	Virginia Department of Emergency Management	Maritime System Critical Infrastructure Dependency tool	Co-PI	10%	\$475,000
7/11/2017	1/10/2018	G2 Ops, INC	Proactive Cyber Security Data Driven Assessment tool	Co-PI	33%	\$32,000
7/3/2017	6/30/2022	US Dept Homeland Security	Center for Advanced Analytics and Decision Support	PI	15%	\$19,803,818
7/1/2017	6/30/2018	Center for innovative Technology	Terrorism Risk Assessment Simulation Modeling System	Co-PI	33%	\$41,157
1/1/2017	6/30/2017	Decision Strategies, LLC	TRASIM Modeling System	Co-PI	50%	\$135,000
10/1/2016	9/30/2017	University of Houston	Port of the Future	PI	25%	\$426,173
10/1/2016	9/30/2018	National institute of Standards and Technology	Quantifying Key Performance Indicator Selection and Composition for Environmental Aspects of Manufacturing Processes Using Advanced Bayesian Modeling, Analysis, and Simulation	PI	20%	\$469,801
10/1/2016	9/30/2018	University of Houston	Analyzing Illegal Flows of Drugs and Undocumented Migrants Through the Detection Incident Chain Assessment Framework	PI	25%	\$460,000
10/1/2016	9/30/2017	University of Houston	Understanding the Motivations for Mass Migration: Modeling Breakdowns in Community Resiliency for Policy interventions in Countries of Origin	PI	10%	\$100,000
10/1/2016	9/30/2018	University of Houston	Advanced Modeling and Simulation for 21st Century Migration, Immigration and Refugee Challenges	PI	25%	\$457,037
10/1/2016	9/30/2018	University of Houston	Securely and Efficiently Connecting Cargo to People	PI	25%	\$451,379
9/30/2016	1/29/2017	Vectrona, LLC	Wargaming and innovation Study	PI	100%	\$34,771
9/1/2016	2/28/2017	G2 Ops, INC	Proactive Cyber Security Data-Driven Assessment tool	Co-PI	50%	\$20,077
8/16/2016	8/15/2018	Natl Science Foundation	Crisp Type 1: Assessing interdependent Critical infrastructure and Community Resilience Through Social Media	Co-PI	25%	\$500,000
7/1/2016	6/30/2017	Decision Strategies, LLC	Terrorism Risk Assessment Simulation Modeling System	Co-PI	50%	\$135,000
5/16/2016	8/15/2016	IBM	Understanding the Cost of Business Meetings	Co-PI	20%	\$20,000

Start	End	Agency	Title	Role	Credit	Amount
5/15/2016	8/15/2016	IBM	Improving Decision Making Through Real-Time Dashboards: An Ems Case Study	Co-PI	50%	\$20,000
1/1/2016	3/31/2016	IBM	Analyzing Operational & Clinical Care Emergency Medical Service Data in Portsmouth, VA	Co-PI	50%	\$20,000
1/1/2016	3/31/2016	IBM	Understanding the Cost of Business Meetings	Co-PI	50%	\$20,000
1/1/2016	6/30/2016	IBM	A FICO Cybersecurity Score for Small Businesses	PI	50%	\$20,000
12/1/2015	11/30/2020	Vectrona, LLC	VDEM Consulting Services	PI	60%	\$4,289,490
10/1/2015	9/30/2018	Natl Science Foundation	CRISP Type 2: interdependent Critical infrastructures Complex Adaptive Systems Model for Decision-Making	Co-PI	25%	\$1,668,204
10/1/2015	9/30/2016	Macaulay-Brown, Inc	Joint Training Environment	Co-PI	90%	\$454,014
9/9/2015	9/8/2020	Leidos	TRADOC G-2 Operational Environment and Core Functions	PI	50%	\$3,321,043
8/16/2015	8/15/2018	Natl Science Foundation	Cyber Risk to Transportation Control Systems	PI	18%	\$428,884
7/1/2015	6/30/2020	Battelle Corp	Tat: M&S of Emerging Human interface Concepts and Courses of Action	PI	25%	\$2,414,396
4/1/2015	3/31/2017	Natl Science Foundation	Cyber Risk to Transportation Control Systems	PI	20%	\$858,647
4/1/2015	6/30/2017	University of Virginia	Quantifying the Resilience State Vector of the Hampton Roads Bridge Tunnel System Via the Inoperability Input-Output Model	PI	34%	\$210,500
1/1/2015	12/31/2017	Defense Threat Reduction Agency	Modeling Adversarial intent and the Propensity WMD Attacks to Arise	Co-PI	30%	\$1,050,000
12/17/2014	12/16/2017	LMI	TRADOC ARCIC Task Order	Co-PI	50%	\$1,110,860
10/1/2014	9/30/2015	Natl Science Foundation	Rips Type 1: Anticipatory interdependent Critical infrastructure Systems	Co-PI	20%	\$295,230
4/1/2014	3/31/2016	Natl Science Foundation	Cyber Risk to Transportation industrial Control Systems	PI	25%	\$703,387
4/1/2014	6/30/2016	US Dept Homeland Security	Assessing the Deterrence Value of Maritime Security Technologies	PI	30%	\$392,517
1/1/2014	9/30/2014	National Reconnaissance office	Securing SOA Based information Systems	Co-PI	10%	\$321,866
9/30/2013	9/30/2015	US Department of Transportation	Cyber Transportation Security Center	PI	34%	\$1,500,000
6/23/2013	7/22/2013	Transportation Research Board of the National Academies	Airport Cyber Security Best Practices 05-02	PI	60%	\$350,000

Start	End	Agency	Title	Role	Credit	Amount
4/1/2013	3/31/2015	Public Health Service (National institutes of Health- NIH)	Modeling Storm Event Sheltering interventions to Reduce Elderly Health Disparities	Co- PI	10%	\$430,473
1/1/2013	12/31/2014	Public Health Service (National Institutes of Health- NIH)	A SD-GIS Approach to Analyze the Sensitivity of Population Health Stemming from Sea Level Rise	Co- PI	10%	\$430,473
11/15/2012	11/14/2013	Virginia Department of Emergency Management	Alliance Solutions Group Flow-down of VDEM Funding-Pre-Proposal Rate Submission	PI	100%	\$212,566
10/1/2012	2/28/2013	Hampton Roads Planning District Commission	Urban Working Group Sustainment Plan	Co- PI	20%	\$50,000
8/1/2012	10/31/2012	Virginia Department of Emergency Management	Hampton Roads Urban Area Working Group Sustainment Plan	Co- PI	50%	\$67,447
6/1/2012	7/31/2012	County of Henrico	Richmond Metropolitan Response System Gap Analysis	Co- PI	25%	\$85,613
5/1/2011	11/30/2011	DDL Omni Engineering	Multi-Perspective Decision Making in A Networked Environment	Co- PI	30%	\$40,000
1/1/2011	12/31/2011	Toffler Associates, INC.	Solicitation Hq0034-11-R-0011	PI	100%	\$131,584
10/1/2010	9/30/2014	IARPA – intelligence Advanced Research Projects Activity	Hybrid Black Block Virtual-Collaboration for the Advancement of forecasts and Elicitations	PI	16%	\$5,270,059
3/15/2010	9/15/2011	VA Department of Transportation	Evacuation Transportation Planning Project	Co- PI	7%	\$299,127
8/1/2009	7/31/2010	Lockheed/Martin	Subcontract Proposal to the Subject RFQ	PI	50%	\$216,883
7/1/2009	6/30/2014	Abrams Learning & information Systems	Subcontract Proposal to Homeland Security Studies and Analysis RFP # Hshqdc-09- 00016	PI	100%	\$11,217,039
4/15/2009	12/31/2009	NAVSUP Fleet Logistics Center Norfolk	Wounded Warrior Support	PI	25%	\$336,228

Research Papers Presented at Professional Meetings:

- Invited Speaker and Panelist, Cyber Effects on Critical Infrastructure, National Intelligence Council, Office of the Director of National Intelligence, 17-18 October 2019.
- Proceedings of the 51st Hawaii International Conference on System Science – 2017 and 2018 Co-chair: Metrics, Modeling and Simulation for Cyber Physical Systems
- Society for Risk Analysis Annual Conference – 2010 to 2016 Workshops at Meeting Committee Member
- Invited Speaker Military Operations Research Society Symposium, Special Session - 2015
- Security Analysis and Risk Management Association Top Secret Workshop Chair - 2014
- Military Operations Research Society Symposia – 1999 Working Group Chair, 2000 Working Group Mentor

Research and Manuscripts Under-Review:

Ezell, B., Lynch, C., and Hester, P. (2021) Methods for Weighting to Assist Decision Analysts and Modelers, *Applied Sciences*.

Consulting Activities:

- Sandia National Labs, Global Biological, Chemical, and Nuclear Prioritization Modeling, 2020
- DHS Risk Assessment Process for Informed Decision Making, 2010
- DHS Bioterrorism Risk Assessment Third Party Review, 2011
- DHS Quadrennial Homeland Security Review for the Bioterrorism Risk Assessment Program, 2014

Membership in Professional Services:

- Military Operations Research Society, 1998-Present
- Society for Risk Analysis, 1998-Present
- Military Operations Research Society Risk Community of Practice Co-Lead, 2017 – present.
- Association of the United States Army, mid 1990s – Present
- National Center for Simulation, 2019 – present.
- Editorial Review Board, International Journal of Operations Research, 2009 – present.
- Hampton Roads Urban Areas Working Group, 2008-2014
- Hampton Roads All Hazards Advisory Committee, 2015-Present; Resource Allocation Subcommittee, 2015-Present
- FBI InfraGard, 2009-Present
- President, Security Analysis and Risk Management Association, May 15, 2013- June 22, 2015

University Service:

- Member ODU Council of Chairs, 2019 - Present
- M&S Capstone Conference Panelist, 2009 - Present
- ODU M&S Steering Committee, 2014 – Present, Chair 2018 - Present
- ODU Military Activities Committee, 2015 - Present

Community Engagement:

- Salem Woods Civic Organization: President (2006-2011, 2013)
- STEM Outreach 2017 – Presentation to students at Salem Middle School
- STEM Outreach 2014-2016 – Presentations to St. Gregory the Great School
- Military Operations Research Society Community of Practice 2016 - Invited speaker and current co-lead
- Science Fair Judge 2013 – 2015 - St. Gregory the Great School
- Panelist for DHS S&T on the redesign of the Bioterrorism Risk Model - 2013.
- Panelist for National Science Foundation Engineering, Science and Technology – 2013
- President, Board Director, and Member, Security Analysis and Risk Management Association – 2013 to 2015
- Salem Woods Civic Organization: President (2006-2011, 2013) and Board Member

- Toby's Dream Foundation: Founding Board Member, 2009 and Current Board Member, 2018 – present
- Hampton Roads Urban Areas Working Group - 2008-2014
- Hampton Roads All-Hazards Planning Committee - 2014 to present
- Hampton Roads Sub-committee for Resource Allocation, All-Hazards Planning Committee – 2014 to present
- Presentations for the National Homeland Security Conference - 2011,2012, 2013, 2016

In the News

- 2021 - ODU Research Helping Virginia Plot COVID-19 Vaccine Strategy
- 2016 - VMASC Researchers Hired to Analyze Effectiveness of Department of Homeland Security Risk Assessment Tools « News @ ODU
- 2013 - VMASC's Ezell Elected President of Security Analysis and Risk Management Association « News @ ODU
- 2012 - Ezell Named Chief Scientist at VMASC « News @ ODU
- 2021 - ODU Research Helping Virginia Plot COVID-19 Vaccine Strategy « News @ ODU
- 2012 - VMASC Risk Analysis Work Cited by Leading Journal « News @ ODU
- 2012 - VMASC Working to Develop Cost-effective Training Seminar for Department of Homeland Security Exercises « News @ ODU
- 2011 - With Good Reason Radio Interview on Cyber Risk to U.S. with Sarah McConnell

Certifications:

- 2016 – Open FAIR™ Foundation, Factor Analysis Information Risk
- 2016 – Subject Matter Risk Expert for Risk Assistance Network + Exchange, RANE Corporation

Other Activities and Achievements:

- Invited Speaker and Panelist, Cyber Effects on Critical Infrastructure, National Intelligence Council, Office of the Director of National Intelligence, 17-18 October 2019.
- Military Operations Research Society Symposium, Special Session, 2015
- Naval Warfare Center, Dahlgren, VA March 2015
- Blue Ribbon Panel, Bioterrorism Risk Assessment, DHS Science and Technology, Washington DC, May 2015.
- National Homeland Security Conference, 2011,2012, 2013, 2016
- Co-Chair, Top Secret Workshop: A MOR-SARMA Co-sponsored Workshop: How Risk Assessments Inform National Security Decision Making, Phalanx, Vol. 47, No. 3., pp9-12, 2013.
- 2008 – 3rd Meritorious Service Award, upon retiring, US Army
- 2001– 2nd Meritorious Service Award, U.S. Military Academy, US Army
- 2000 – Selected for fully funded Ph.D. program, U.S. Military Academy, US Army
- 1998 – Award for Public Service from the Center for Risk Management of Engineering Systems, University of Virginia

- 1997 – Selected for Army fully funded graduate school and instructor in Systems Department, U.S. Military Academy
- 1996 – 1st Meritorious Service Award as commanding officer, US Army
- 1996 – Number one of 45 company commanders, promoted to Major, one year ahead of peers
- 1993 – Commandant’s List Top 10, Infantry Advanced Officer Course, Ft. Benning, GA
- 1990 – Held top secret clearance without interruption through present day.
- 1990 – Most Valuable Player Award, Air Defense Artillery Officer Basic Course, Ft. Bliss, TX
- 1988 – Graduated with honors, University of Southern Mississippi, Hattiesburg, MS
- 1984 – Graduated Number One, “Soldier of the Cycle”, out of approximately 300 new soldiers in Army