

## Marco V. Martinez

Department of Mathematics and Actuarial Science, North Central College, Naperville, IL, USA, 60540

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Nationalities: Colombia, USA

### Education

- 2013 Ph.D. Mathematics. The University of Tennessee - Knoxville
- 2013 M.Sc. Statistics. The University of Tennessee - Knoxville
- 2007 B.Sc. Mathematics with honors. Pontificia Universidad Javeriana - Bogotá, Colombia
- 2005 B.Sc. Biology. Pontificia Universidad Javeriana - Bogotá, Colombia

### Other Professional Education (selected)

- 2022 [New American Colleges & Universities Emerging Leaders Institute](#)
- 2021 [Statistical Learning](#). Stanford Online, via edX

### Professional Experience

- 2024 - Professor (Tenured). Department of Mathematics and Actuarial science. North Central College, Naperville, IL
- 2023 - Co-Director. [Center for Undergraduate Research in Mathematics \(CURM\)](#)
- 2019 - 24 Associate Professor (Tenured). Department of Mathematics and Actuarial science. North Central College, Naperville, IL
- 2022 - 25 Inaugural holder. [R. Devadoss Pandian Endowed Fellow in the Arts & Sciences](#). North Central College, Naperville, IL
- 2016 - 21 Coordinator of the Actuarial Science Major. North Central College, Naperville, IL
- 2013 - 19 Assistant Professor. Department of Mathematics and Actuarial science, North Central College, Naperville, IL
- 2012 - 13 Graduate Research Fellow. National Institute for Mathematical & Biological Synthesis, Knoxville, TN
- 2008 - 12 Graduate Teaching Associate. Department of Mathematics, University of Tennessee, Knoxville, TN
- 2005 - 08 Lecturer. Pontificia Universidad Javeriana, Bogotá, Colombia
- 2003 - 04 Undergraduate Teaching Assistant. Pontificia Universidad Javeriana, Bogotá, Colombia

### Actuarial Science

- Exams: Probability, Financial Mathematics, Statistics for Risk Modeling
- VEE: Mathematical Statistics
- 2024 - Inaugural member, [Actuarial Educators Council](#)
- 2020 - 23 Faculty advisor, [First-gen Actuarial Science academic group](#), North Central College
- 2021 Speaker, Be an Actuary, High school actuarial day, SOA/CAS DePaul University, February 9
- 2021 Member, SOA/CAS Needs-Based Exam Reimbursement Working Group
- 2020 Review committee member, Bowers Award Presentation Judging Panel, Gamma Iota Sigma
- 2019 Co-organizer, Actuarial science women's panel, North Central College, May 1
- 2019 Speaker, Be an Actuary, High school actuarial day, SOA/CAS DePaul University, November 20
- 2018 - 21 Founder and faculty advisor of the Gamma Iota Sigma Chapter at North Central College
- 2017 Planning Committee, The Actuarial Teaching Conference, The Society of Actuaries, June 26 - 27
- 2017 Participant, The Actuarial Teaching Conference, The Society of Actuaries, June 26 - 27
- 2016 - 21 Coordinator of the actuarial science major, North Central College
- 2015 Participant, The Actuarial Teaching Conference, The Society of Actuaries, June 22 - 23
- 2014 - 21 Founder and faculty advisor of the Actuarial Science Club, North Central College

## Publications (\* = Undergraduate Student)

- 2024 Wyels, C. and **Martinez, M.V.** [Service Learning in the First Year: Enhanced Retention and Graduation Rates for First-Year and Transfer Students from Underrepresented Groups](#). International Journal of Research on Service-Learning and Community Engagement
- 2022 Nibert, J., Hendel, R., Pogrebivsky, I., Nguyen, L.T., Kinney, B., Mimoto, N. and **Martinez, M.V.** [GOAL\(Guided Online Actuarial Learning\) for Exam P: Online Practice Problems & Exams](#). Actex Learning
- Liskey, C. Trevino, E., **Martinez, M.V.** and Uscanda Lomei, R. (Eds.). [Spanish version: Testimonios Historias de Matematicxs Latinx e Hispanos](#). Produced and Distributed by The American Mathematical Society and The Mathematical Association of America
- Martinez, M.V.** Developing an Actuarial Science Program: It Takes a Village. Expanding Horizons
- 2020 Bañuelos, S., Bush, M\*, **Martinez, M.V.** and Prieto-Langarica A., [Undergraduate Research in Mathematical Epidemiology](#). In: Harris, P., Insko, E. and Wootton, A. (eds) A Project-Based Guide to Undergraduate Research in Mathematics Starting and Sustaining Accessible Undergraduate Research, Birkhäuser Foundations in Undergraduate Research in Mathematics.
- 2019 Bañuelos, S., **Martinez, M.V.**, Mitchell, C. and Prieto-Langarica, A. [Using mathematical modelling to investigate the effect of the sexual behaviour of asymptomatic individuals and vector control measures on Zika](#). Letters in Biomathematics, 6:1, 1-19
- 2015 **Martinez, M.V.**, Lenhart, S. and White, J. [Optimal control of integrodifference equations in a pest-pathogen system](#). Discrete and Continuous Dynamical System - Series B 2015; 20(6): 1759-1783
- 2014 Bodine, E.N. and **Martinez, M.V.** [Optimal genetic augmentation strategies for a threatened population using a continent-island model](#). Letters in Biomathematics 1(1): 23-39
- 2011 Becerra, R., Rueda, N. and **Martinez, M.V.** Experimental design in agricultural and biological sciences with SAS, SPSS, R and statistix (in Spanish). Two volumes. Fondo Nacional Universitario. ISBN: 978-958-9251-57-7
- 2009 **Martinez, M.V.** [R for Biologists](#). Version 1.1.
- 2007 Undergraduate Thesis, Development of a computer tool for the analysis of the diversity of species in biological communities
- 2005 Undergraduate Thesis, Microhabitat characterization used by the assembly of anurans associated with a shade coffee plantation (Santander, Colombia)

## Funded Grants

- 2023 [Center for Undergraduate Research in Mathematics \(CURM\)](#), NSF Division of Mathematical Sciences. Leonard, K. (PI), **Martinez, M.V.** (Co-PI), Franco, M. (Co-PI), Prieto-Langarica, A. (Co-PI), Kozak, K. (Co-PI) and Neudauer, N. (Co-PI), [\\$1,535,106](#)
- 2018 SACNAS Mini-collaboration grant, Bañuelos, S. (Co-PI), Prieto-Langarica, A. (Co-PI), Mitchell, C. (Co-PI), and **Martinez, M.V.** (Co-PI), \$2,036
- Summer Grant, Faculty Professional Development Committee, North Central College, \$1,864
- 2017 Minorities in Mathematics Speaker Series (MIMSS), Tensor-SUMMA Program, Mathematical Association of America's, Harris, P (PI), Prieto-Langarica, A. (Co-PI) and **Martinez, M.V.** (Co-PI), \$6,000
- 2016 Minorities in Mathematics Speaker Series (MIMSS), Tensor-SUMMA Program, Mathematical Association of America, **Martinez, M.V.** (PI), Harris, P. (Co-PI) and Prieto-Langarica, A. (Co-PI), \$6,000
- SACNAS Mini-collaboration grant, Bañuelos, S. (Co-PI), Prieto-Langarica, A. (Co-PI), and **Martinez, M.V.**, \$1,669
- Summer Grant, Faculty Professional Development Committee, North Central College, \$2,625

- 2015 Minorities in Mathematics Speaker Series (MIMSS), Tensor-SUMMA Program, Mathematical Association of America, Prieto-Langarica, A. (PI), Harris, P. (Co-PI) and **Martinez, M.V.** (Co-PI), \$6,000  
 Grant Award, Center for Undergraduate Research in Mathematics (CURM), **Martinez, M.V.** (PI) and Ruthig, G. (Co-PI). Supported four female mathematics students, three of them first-generation and one Hispanic, \$22,150  
 Summer Grant, Faculty Professional Development Committee, North Central College, \$3,427
- 2014 Summer Grant, Faculty Professional Development Committee, North Central College, \$3,777
- 2012 Graduate fellowship, National Institute for Mathematical and Biological Synthesis, \$20,000 plus tuition

### Awards, Honors and Fellowships

- 2022 Inaugural holder. [R. Devadoss Pandian Endowed Fellow in the Arts & Sciences](#) (3-year award)  
 Honoree, [Lathisms Hispanic Heritage Month Calendar](#)  
 Honorary inductee (Non First-Generation faculty). Tri-Alpha (National Honor Society for First-Generation College Students)
- 2021 [Faculty advisor of the year](#) (**National** award), Gamma Iota Sigma  
 Distinguished Mentoring Award by a senior faculty member, North Central College  
 Nominated, Distinguished Service Award by a senior faculty, North Central College  
 Nominated (By internal and external colleagues), Henry L. Alder Award for Distinguished Teaching by a Beginning College or University Mathematics Faculty Member. The Mathematical Association of America
- 2016 Clarence F. Dissinger Award for Distinguished Teaching by a junior faculty member, North Central College
- 2013 Project NExT Fellow. Mathematics Association of America
- 2010 Teaching award, Dorothea & Edgar D. Eaves Outstanding Graduate Student Teacher. Department of Mathematics, The University of Tennessee - Knoxville
- 2009 Finalist, teaching award, Dorothea & Edgar D. Eaves Outstanding Graduate Student Teacher. Department of Mathematics, The University of Tennessee - Knoxville
- 2008 Second place, undergraduate poster contest, SIAM Conference on the Life Sciences
- 2007 Undergraduate honors thesis in mathematics, Pontificia Universidad Javeriana
- 2005 Honorary fellow for one year, Department of Wildlife Ecology, University of Wisconsin-Madison
- 2000 Full tuition merit scholarship from the president of the Pontificia Universidad Javeriana (awarded to less than 1 percent of students)

### Underrepresented Minority Outreach

- 2020 - Math Alliance Mentor, The National Alliance for Doctoral Studies in the Mathematical Sciences
- 2014 - Webmaster (with Pamela E. Harris and Alicia Prieto-Langarica) of the MAA website Resources for Minority Faculty and Students
- 2013 - Lifetime member, [Society for Advancement of Hispanics/Chicanos and Native Americans in Science \(SACNAS\)](#)
- 2023 - 25 Review committee member, [Lathisms Scholarship](#)
- 2022 - 23 Review committee member, [OLA Scholarship](#)
- 2022 Honoree, [Lathisms Hispanic Heritage Month Calendar](#)  
 Mentor, [MAS \(Mentor Activation for Students\)](#) Program, [Society for Advancement of Hispanics/Chicanos and Native Americans in Science \(SACNAS\)](#)

- 2020 - 23 Faculty advisor, [First-gen Actuarial Science academic group](#), North Central College, Naperville, IL
- 2020 - 22 Member, Athletics Diversity Council, North Central College, Naperville, IL
- 2020 - 21 Chair, BIPOC Faculty Retention and Evaluation, subgroup of the Diversity, Equity and Inclusion Task Force, North Central College, Naperville, IL
- 2019 - 21 Appointed by the president. Faculty member. Diversity, Equity and Inclusion Task Force, North Central College, Naperville, IL
- 2019 Speaker, Race on Campus: Debunking Myths with data, Center for the Advancement of Faculty Excellence, North Central College, December, Naperville, IL
- Invited participant, [Latinx mathematicians network II](#), American Institute of Mathematics, December 5-6
- 2015 - 21 Committee on Minority Participation in Mathematics, Mathematical Association of America
- 2015 Invited participant, Annual SACNAS National Conference, October 29-31
- Invited participant, Latinos in the Mathematical Sciences Conference, Institute for Pure & Applied at UCLA, April 9-11
- 2014 - 24 Advisor of LSA (Latin Student Association)
- 2014 - 19 Faculty contact (North Central College). Nebraska conference for undergraduate women in mathematics
- 2014 Invited participant, Blackwell-Tapia Conference and Awards Ceremony, Institute for Pure & Applied Mathematics at UCLA, November 14-15
- 2013 Committee for the Recruitment and Retention of Hispanic/Latino Students, North Central College
- 2007 Invited participant, Mini-workshop: Opportunities in Mathematical Biology for Under-represented Groups, Mathematical Biosciences Institute, March 23-25

## Teaching Experience

### North Central College

- 2013 - Assistant/Associate/Professor of Mathematics: College Algebra, Finite Mathematics, Integrated Calculus I and II, Calculus I and II, Ordinary Differential Equations with Applications, Ordinary Differential Equations and Linear Algebra, Applied Mathematical Techniques, Probability and Statistics I and II, Probability, Mathematical Statistics, Probability for Risk Management, Financial Mathematics, Data Analytics, Biostatistics and Advance Biostatistics.
- Independent Studies: Introduction to R, Biostatistics and Multivariate analysis, Disease Modeling, Mathematical Modeling, Mathematical Statistics, Statistical Inference, Introduction to Regression Models, An Introduction to Stochastic Processes, Statistical Learning, Investment and Financial Markets,

### The University of Tennessee - Knoxville

- 2008 - 12 Graduate Teaching Associate: Precalculus, Basic Calculus, Mathematics for life sciences I and II. Instructor: R seminar for life sciences (graduate level class)

### Pontificia Universidad Javeriana, Bogotá, Colombia

- 2005 - 08 Lecturer: Biomathematics, Calculus for Science, Biostatistics, Experimental Design, and Mathematical Models in Biology
- 2003 - 04 Undergraduate Teaching Assistant: Biomathematics, and calculus for science

## Presentations (\* = Undergraduate Student)

- 2025 Invited Panel Organizer, Undergraduate Opportunities: Building a Strong Foundation for Your Future, Latinx in the Mathematical Sciences Conference 2025, March, Los Angeles, CA
- Poster, Mathematical Model of a Multi-Host Pathogen Ecological System (With M. Marzan\*), Joint Mathematics Meetings, January, Seattle, WA
- 2024 Invited Keynote (Graduation and Closing), Navigating Your Career in Mathematics: Harnessing Community, MAA Project NExT (New Experience in Teaching), August, Indianapolis, IN

- Invited Panelist, Launching Careers in Mathematics: Results from a Research Study of MAA Project NExT, MathFest, August, Indianapolis, IN
- Poster, Multihost pathogen creates ecological links between its hosts and influences host population dynamics (With M. Marzan\*), Joint Mathematics Meetings, January, San Francisco, CA
- 2023 Mini-Course, [An Introduction to Data Analytics](#) (With A. Prieto-Langarica), Modern Mathematics Workshop, funded by the NSF through the Mathematical Sciences Institute Diversity Initiative, October, Portland, OR
- Poster, Service-Learning in the First Year Enrolled at CSUCI Increases Retention and Graduation Rates (with A. Castillo, R. Trujillo and C. Wyels), CSUCI Center for Community Engagement, Celebration of Service 2023
- Invited Speaker, The People Reaching Intuition in Mathematics for Empowerment Program ([PRIME](#)), March, Virtual
- 2022 Invited Speaker, "Statistics" What is it and why does it matter?, [Online Undergraduate Resource Fair for the Advancement and Alliance of Marginalized Mathematicians](#), November, Virtual
- Poster, Service-Learning & Student Success: A Quantitative Approach (with A. Castillo, R. Trujillo and C. Wyels), [Latinx in the Mathematical Sciences Conference 2022](#), July, Los Angeles, CA
- Panelist, Careers in Math Panel, The Youngstown State University Beginning Undergraduates' Mathematical research Preparation, [YSU-BUMP](#), June, Virtual
- 2021 Invited speaker, Starting a new program when you are not an expert in the field: an example with Actuarial Science, MAA Project NExT (New Experience in Teaching), August, Virtual
- Panelist, Faculty Panel: How to talk to faculty about your career, NCC career week, North Central College, March, Virtual
- Panelist, Navigating North Central College: Orientation for new faculty members, North Central College, March, Virtual
- Speaker, Actuarial Science Opportunities, SIMIODE EXPO 2021, February, Virtual
- 2020 Invited Speaker, Getting Tenure (Private Institution), MAA Project NExT (New Experience in Teaching), MathFest, July, Virtual
- 2019 Speaker, Race on Campus: Debunking Myths with data, Center for the Advancement of Faculty Excellence, North Central College, December, Naperville, IL
- 2017 Poster, Minorities in Mathematics Speaker Series (with P. Harris and A. Prieto-Langarica), Joint Mathematics Meetings, January, San Diego, CA
- Invited Speaker, Optimal Control for Management of an Invasive Species, The National Diversity in STEM conference, October, Salt Lake City, UT
- Invited Speaker, Optimal Control for Management of an Invasive Species, Arizona State University's West Campus, Seminar series for the School of Mathematical & Natural Sciences, February, Phoenix, AZ
- 2016 Invited Speaker, Optimal Control for Management in Gypsy Moth Models, Elmhurst College Departments of Mathematics, Computer Science, and Physics Seminar Series, April, Elmhurst, IL
- Invited Speaker, Optimal Control of the gypsy moth populations, Youngstown State University Mathematical Ecology Seminar, March, Youngstown, OH
- Poster, Minorities in Mathematics Speaker Series (with P. Harris and A. Prieto-Langarica), Joint Mathematics Meetings, January, Seattle, WA
- 2015 Speaker, Modeling the management of invasions of gypsy moths, Annual Meeting for The Society for Mathematical Biology, June, Atlanta, GA
- Poster, A New Metric for Credit Migration Matrices (with L. Olejniczak\*), Rall Symposium at North Central College, May, Naperville, IL
- Invited Speaker, Optimal Control for Management in Gypsy Moth Models, Joint Mathematics Meetings, January, San Antonio, TX

- 2014 Invited Speaker, Optimal Control for Management in Gypsy Moth Models, Dominican University's Math Club's Special Lecture Series, November, Naperville, IL  
Invited Speaker, Mathematical Modeling, E<sup>2</sup> North Central Math Circle, September, Naperville, IL  
Invited Speaker, Mathematical Modeling, E<sup>2</sup> North Central Math Circle, April, Naperville, IL  
Invited Speaker, Optimal Control for Management in Gypsy Moth Models, Colloquium Pi Mu Epsilon at North Central College, March, Naperville, IL  
Invited Speaker, Optimal Control of the gypsy moth populations, American Mathematical Society Southeastern Spring Sectional Meeting, March, Knoxville, TN
- 2013 Speaker, Optimal control in gypsy moth discrete models, SEARCDE, September, Knoxville, TN  
Invited Speaker, Using Mathematical-Biology to help Biodiversity, Science Seminar Series, North Central College, September, Naperville, IL  
Speaker, Bullet-Proofing Excel, TechDay North Central College, December, Naperville, IL  
Speaker, Optimal control of integrodifference equations in a host-pathogen system, Joint Mathematics Meetings, January, San Diego, CA
- 2012 Invited speaker, Can coffee help frogs? Rhodes College, November, Memphis, TN  
Speaker, Optimal control of integrodifference equations in a host-pathogen system, SEARCDE, October, Winston Salem, NC  
Speaker, Inverted classroom: A Pre-calculus experience, The Mathematical Association of America Southeastern Section meeting, March, Morrow, GA  
Poster, Optimal control of the gypsy moth populations (with S. Lenhart and J. White), Workshop for Young Researchers in Mathematical Biology, August, Columbus, OH  
Speaker, Optimal control of the gypsy moth populations, Society for Mathematical Biology Annual Meeting and Conference, July, Knoxville, TN
- 2009 Poster, On the Stability of a two predators one prey system: A non-additive approach (with A. Morales and J. Perez-Torres), 10th International Mammalogical Congress, August, Mendoza, Argentina  
Poster, Effect of patch shape, distance between patches and patch size on animal seed dispersal: An spatial model approximation (with M. Santos-Vega and J. Perez-Torres), 10th International Mammalogical Congress, August, Mendoza, Argentina
- 2008 Poster, Cats Protecting Birds Revisited with a Spatial Approach (with J. Gambino, K. Salau and E. Soho), SIAM Conference on the Life Sciences, August, Montreal, Canada
- 2007 Poster, Cats protecting birds: In space (with J. Gambino, K. Salau and E. Soho), National Conference of SACNAS, October, Kansas City, MO  
Poster, Cats protecting birds revisited with a spatial approach (with J. Gambino, K. Salau and E. Soho), MathFest 2007, August, San Jose, CA
- 2006 Poster, Characterization of the microhabitat used by the associated assembly of anurous to shaded coffee crops in Santander, Colombia (with J. Perez-Torres), II Colombian Zoology Congress, November, Santa Marta, Colombia
- 2005 Poster, Biodiversity associated with shaded coffee crops in La mesa de los Santos (Santander) (with J. Perez-Torres, C. Peraza, D. Ortegón, J. Alayón and Y. Cifuentes), VIII Congress of research in the Pontificia Universidad Javeriana, September, Bogotá, Colombia
- 2004 Poster, Structure of the arboreal vegetation associated to a shaded coffee crop in Santander, Colombia (with J. Perez-Torres, C. Peraza and D. Ortegón), III Colombian Botanic Congress, November, Popayán, Colombia

## Professional Development

### Online education

- 2021 Learning path. Build a More Equitable and Inclusive Workplace, via LinkedIn Learning
- 2021 Learning path. Grow your impact as a mentor, via LinkedIn Learning
- 2021 Learning path. Diversity, Inclusion, and Belonging for All, via LinkedIn Learning
- 2021 Learning path. Diversity, Inclusion, and Belonging for Leaders and Managers, via LinkedIn Learning
- 2021 Learning path. Build and Manage Effective Teams, via LinkedIn Learning
- 2021 Learning path. Develop Conflict Management and Resolution Skills, via LinkedIn Learning
- 2021 Learning path. Improve Your Teamwork Skills, via LinkedIn Learning
- 2021 Learning path. Improve Your Coaching Skills as a Manager, via LinkedIn Learning
- 2021 Learning path. Become an inclusive leader, via LinkedIn Learning
- 2021 Learning path. How to Engage Meaningfully in Allyship and Anti-Racism, via LinkedIn Learning

## Professional Service

Referee for: [La Matematica](#) (Journal of the Association for Women in Mathematics), *Involve* a journal of mathematics, PRIMUS (Problems, Resources, and Issues in Mathematics Undergraduate Studies), and Natural Resource Modeling

- 2023 Advisory board, Department of Mathematics, Ferris State University

### Mathematical Association of America

- 2020 - Moderator, Math Department Chairs and Leaders, MAAconnect
- 2024 - 25 Teaching Support Group Facilitator for Project NExT
- 2019 - 21 Review committee member, project selection [Tensor SUMMA](#) grants
- 2020 Review committee member, search committee for the [Tensor SUMMA](#) program director
- 2016 Project NExT Panelist. The Early (Post-PhD) Years: An Interactive Survival Guide. January, Seattle, WA
- 2015 - 21 Member, Committee on Minority Participation in Mathematics
- 2014 - 16 Judge Undergraduate Student Poster Session, Joint Mathematics Meetings, January
- 2014 Project NExT Panel Co-Organizer. Where is the Money? Grants Accessible to Junior Faculty. MathFest, August, Portland, OR
- Project NExT Panel Co-Organizer. The Nuts and Bolts of Undergraduate Research. Joint Mathematics Meetings, January, Baltimore, MD

### Society for Advancement of Chicanos/Hispanics and Native Americans in Science.

- 2017 Judge Undergraduate Student Poster Session, Annual SACNAS National Conference, October
- 2015 Judge Undergraduate Student Poster Session, Annual SACNAS National Conference, October

### North Central College

- 2018 - Review committee member, The Dwight Lewis Legacy Scholarship
- 2023 - Appointed by the Provost, International Faculty Advocate
- 2024 Appointed by the President, Retirement committee
- 2023 Appointed by the Provost, Search committee for the dean of School of Business and Entrepreneurship
- Member, Search committee tenure-track position in Mathematics
- Appointed by the President, Faculty member. Search committee Vice President for Enrollment Management and Marketing
- Member, Faculty Career Champions Network
- Review committee member, Distinguished Service Award

- 2022 - 25 Elected member by the College of Arts & Sciences faculty. Promotion & Tenure Committee (Institution-wide committee)
- 2022 Member, Search committee Assistant Director of Multicultural Affairs  
Review committee member, Distinguished Mentor Award
- 2021 Appointed by the President, Faculty member. Search committee Vice President for Enrollment Management and Marketing
- 2020 - 22 Member, Athletics Diversity Council, North Central College, Naperville, IL
- 2020 - 21 Chair, BIPOC Faculty Retention and Evaluation, subgroup of the Diversity, Equity and Inclusion Task Force
- 2020 Review committee member, Distinguished Mentor Award
- 2019 - 21 Appointed by the President. Faculty member. Diversity, Equity and Inclusion Task Force
- 2017 - 19 College Scholars Committee
- 2017 Member, Search committee Economics Department Chair  
Member, Search committee tenure-track position in Economics  
Member, Strategic Plan: Faculty and Curriculum Working Group
- 2015 Member, Search committee tenure-track position in Biology
- 2014 - 24 Advisor of LSA (Latin Student Association)
- 2014 - 21 Advisor of the Actuarial Science Club
- 2014 - 16 Science Division Representative, International Programs Committee
- 2014 - 16 Science Division Representative, Faculty committee on enrollment, athletics, and student affairs
- 2014 - 16 Junior mentor for new faculty members
- The University of Tennessee – Knoxville
- 2013 Volunteer, Adventures in STEM camp for middle school girls. June 3 - 7  
Judge. Regional Southern Appalachian Science & Engineering Fair. April 2
- 2010 - 13 Officer of the SIAM student chapter
- 2009 - 12 Orientation committee for new graduate students
- 2009 - 12 Graduate student mentor
- 2009 - 12 Pro2Serve Math Contest for TN High School Students

Lifetime Memberships: Mathematical Association of America (MAA), Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS)

### **Computing skills**

Mathematical: Matlab, Maple, Mathematica  
Statistical: R, SAS, Statistix, SPSS, JMP  
Other: Latex, VBA for Excel

### **Languages**

English (Fluent)  
Spanish (Native)