

SAMANTHA NIX
Curriculum Vitae

EDUCATION

2018	Ph.D.	Higher Education	Florida State University (FSU)
	Dissertation Title: <i>Exclusivity Through Challenge: Difficulty and Talent Beliefs in Mathematics-Intensive Fields</i>		
2013	M.S.	Higher Education	Florida State University (FSU)
2009	B.A.	English Literature & French	University of Southern Mississippi (USM)

PROFESSIONAL EXPERIENCE

05/2018-present	Instructional Specialist I, Undergraduate Studies, FSU		
08/2015-05/2018	Research Assistant, Center for Postsecondary Success, FSU		
05/2014-08/2016	Program Coordinator, Certificate in Institutional Research, FSU		
05/2014-08/2014	Research Assistant, Center for Integrating Research and Learning, National High Magnetic Field Laboratory		
05/2013-08/2013	Research Assistant, Center for Integrating Research and Learning, National High Magnetic Field Laboratory		
04/2011-05/2015	Graduate Assistant, Undergraduate Affairs, Physics Department, FSU		
04/2011-08/2014	Program Coordinator, Women in Math, Science, and Engineering Living Learning Community, FSU		
07/2009-04/2011	Assistant Coordinator, Information and Public Relations, Center for Leadership and Civic Education, FSU		
09/2005-05/2009	Copy and Managing Editor, <i>The Southerner</i> , USM		

PUBLICATIONS

Refereed Journal Articles

Perez-Felkner, L. C., Thomas, K., Nix, S., Hopkins, J., & D'Sa, M. (2018). Are 2-Year Colleges the Key? Institutional Variation and the Gender Gap in Undergraduate STEM Degrees. *Journal of Higher Education*, 1-29. DOI: <https://doi.org/10.1080/00221546.2018.14>

Perez-Felkner, L., **Nix, S.**, & Thomas, K. (2017). Gendered Pathways: How Mathematics Ability Beliefs Shape Course and Degree Choices from High School through College. *Frontiers in Psychology* 8(386), 1-11. DOI: 10.3389/fpsyg.2017.00386

Cox, B. E., Reason, R. D., **Nix, S.** & Schwab, M. (2016). Life happens (outside of college): Non-college life-events and students' likelihood of on-time graduation. *Research in Higher Education* 57(5), 823-844. DOI: 10.1007/s11162-016-9409-z

Nix, S., Roberts, K. L., Hughes, R. H. (2016). Female undergraduate STEM persistence: A focus on the role of living and learning communities. *Journal of Women and Minorities in Science and Engineering*, 22(4), 349-374. DOI: 10.1615/JWomenMinorScienEng.2016016349

Nix, S., Perez-Felkner, L. C., & Thomas, K. (2015). Perceived mathematical ability under challenge: A longitudinal perspective on sex segregation among STEM degree fields. *Frontiers in Psychology*, 6. DOI: 10.3389/fpsyg.2015.00530

Reports

Peters, A., **Nix, S.**, & Hu, S. (2018). *Characteristics of higher education research centers and the perspectives of their leadership*. Tallahassee, FL: Center for Postsecondary Success.

Hu, S., Richard, K., Woods, C., **Nix, S.**, Tandberg, D. A., Park, T., Bertrand Jones, S. (2016). *Adapting to change: Administrators' perceptions of the second year of developmental education reform in the Florida college system*. Tallahassee, FL: Center for Postsecondary Success.

Nix, S., Tandberg, D., & Hu, S. (2015) *Pathways initiatives report: A survey of 16 Florida state colleges*. Tallahassee, FL: Center for Postsecondary Success.

Cox, B. E., Reason, R. D., Tobolowsky, B. F., Underwood, R. B., Luczyk, S., **Nix, S.**, Dean, J., & Wetherell, T. K. (2012). *Linking institutional policies to student success: Initial results from a five-state pilot study*. Tallahassee, FL: Florida State University's Center for Higher Education Research, Teaching, and Innovation.

Under Review

Perez-Felkner, L. C., **Nix, S.**, Felkner, J., & Magalhães, M. (under review). Does development deter women from STEM? Urbanization, gender equity, and postsecondary education. *Social Forces*.

Šaras, E., Perez-Felkner, L., & **Nix, S.** (under review). Warming the chill: Insights for institutions and researchers to keep women in STEM. In L. Perez-Felkner and J. Gaston Gayles (Eds.), *Advancing higher education research on undergraduate women in STEM*.

Works in Progress

Nix, S. (in progress). The Shaping of Talent Perceptions in Mathematics-Intensive Sciences Through the College Experience.

Nix, S., Perez-Felkner, L. C. (in progress). Ability beliefs, gender, and race/ethnicity: An intersectional analysis of students' pathways to STEM degrees.

Perez-Felkner, L. C. & **Nix, S.** (in progress). High-Impact Practices and Their Relationship with Participation in STEM Fields.

PRESENTATIONS

Refereed Papers at Conferences

Nix, S. (2018). *The Shaping of Talent Perceptions in Mathematics-Intensive Sciences Through the College Experience*. Paper to be presented at the American Educational Research Association Annual Meeting, AERA, New York, NY. (International).

Perez-Felkner, L. C. & **Nix, S.** (2018). *High-Impact Postsecondary Practices and Degree Attainment in the Mathematics-Intensive Sciences for Women and Underrepresented Racial/Ethnic Minority Students*. Paper to be presented at the American Educational Research Association Annual Meeting, AERA, New York, NY. (International).

Perez-Felkner, L. C., **Nix, S.**, Felkner, J., Magalhães, M. (2018). *Does Development Deter Women from STEM? Urbanization, Broadened Access, and Sex Segregation in Cambodia*. Paper to be presented at the American Educational Research Association Annual Meeting, AERA, New York, NY. (International).

Nix, S. (2017) *The Shaping of Talent Perceptions in Mathematics-Intensive Sciences Through the College Experience*. Paper to be presented at the Association for the Study of Higher Education conference, ASHE, Houston, TX. (National).

Nix, S. & Perez-Felkner, L. C. (2017). *Perceived Ability Under Challenge, Gender, and Race: Evidence of Impacts on Participation in Mathematics-Intensive Fields*. Paper to be presented at the Association for the Study of Higher Education conference, ASHE, Houston, TX. (National).

Nix, S. & Perez-Felkner, L. C. (2017). *Perceived Ability Under Challenge, Gender, and Race: Evidence of Impacts on Participation in Mathematics-Intensive Fields*. Paper presented at the American Educational Research Association Annual Meeting, AERA, San Antonio, TX. (International).

Richard, K., Woods, C. S., **Nix, S.**, Tandberg, D. A., Park, T., Hu, S., & Bertrand Jones, T. (2017). *Administrators' Perceptions of the Second Year of Developmental Education Reform in the Florida College System*. Paper presented at the American Educational Research Association Annual Meeting, AERA, San Antonio, TX. (International).

- Nix, S.** & Perez-Felkner, L. C. (2016). *Race/Ethnicity and Perceived Ability Under Challenge: Implications for Women's and Men's Participation in STEM Fields*. Paper presented at American College Personnel Association Annual Meeting, ACPA, Montreal, CA. (International)
- Perez-Felkner, L. C., & **Nix, S.** (2016). *Gendered Pathways: How Mathematics Ability Beliefs Shape Course and Degree Choices Across High School and College*. Paper presented at the Association for the Study of Higher Education Annual Meeting, ASHE, Columbus, OH. (National)
- Perez-Felkner, L. C., & **Nix, S.** (2016). *Gendered Pathways: How Mathematics Ability Beliefs Shape Course and Degree Choices Across High School and College*. Paper presented at the Sociology of Education Association, SEA, Pacific Grove, CA. (National)
- Perez-Felkner, L. C., **Nix, S.**, Felkner, J., & Magalhães, M. (2016). *How Does Development Influence Sex Segregation in Majors? Urbanization, Broadened Access, and the STEM Gender Gap in Cambodia*. Paper presented at the VHTO Gender and STEM Biennial Meeting, Edinburgh, Scotland. (International)
- Nix, S.**, Perez-Felkner, L. C., & Thomas, K. (2015). *Perceptions of Mathematical Challenge: A Longitudinal Perspective on Sex Segregation among STEM Degree Fields*. Paper presented at American Educational Research Association Annual Meeting, AERA, Chicago, IL. (International)
- Nix, S.**, Roberts, K. L., & Hughes, R. H. (2015). *Female Undergraduate STEM Persistence: A Focus on the Role of Living and Learning Communities*. Paper presented at American Educational Research Association Annual Meeting, AERA, Chicago, IL. (International)
- Perez-Felkner, L. C., Thomas, K., **Nix, S.**, & Hopkins, J. (2015). *Are Two-Year Colleges the Key to Expanding the Scientific Labor Force? Unpacking Gender and Racial-Ethnic Gaps in Undergraduate STEM Degrees*. Paper presented at American Educational Research Association Annual Meeting, AERA, Chicago, IL. (International)
- Nix, S.**, Roberts, K. L., & Hughes, R. H. (2014). *Female Undergraduate STEM Persistence: A Focus on the Role of Living and Learning Communities*. Paper presented at Florida Educational Research Association, Cocoa Beach, FL. (Regional)
- Nix, S.**, Roberts, K. L., & Hughes, R. H. (2014). *Female Undergraduate STEM Persistence: A Focus on the Role of Living and Learning Communities*. Paper presented at Research on Women in Education, RWE, New Orleans, LA. (National)
- Perez-Felkner, L. C., & **Nix, S.** (2014). *Is the Gender Gap in STEM Culturally-Specific? Choosing Scientific and Other Career Fields in Cambodia*. Paper presented at Marvalene Hughes Research in Education (CORE) Conference, Florida State University, Tallahassee, FL. (Local)
- Perez-Felkner, L. C., **Nix, S.**, Hopkins, J., & Thomas, K. (2014). *Is the Gender Gap in STEM Culturally-Specific? Choosing Scientific and Other Career Fields in Cambodia*. Paper presented at

American Educational Research Association Annual Meeting, AERA, Philadelphia, PA. (International)

Perez-Felkner, L. C., Thomas, K., **Nix, S.**, & Hopkins, J. (2014). *Are Two-Year Colleges the Key to Expanding the Scientific Labor Force? Unpacking Gender and Racial-Ethnic Gaps in Undergraduate STEM Degrees*. Paper presented at Association for the Study of Higher Education, Washington, D.C. (National)

Perez-Felkner, L. C., **Nix, S.**, & Hopkins, J. (2013). *Development from the Ground Up: Unpacking Cambodian Female and Male College Students' Engagement in Scientific and Other Career Fields*. Paper presented at Southeast Regional Conference, Comparative and International Education Society (CIES), Tallahassee, FL. (Regional)

Invited Presentations at Conferences

Perez-Felkner, L. C., Thomas, K., Hopkins, J., & **Nix, S.** (2014). *Are Non-Selective Colleges the Key to Expanding the Scientific Labor Force?* Poster presentation at the meeting of FSU Women in Mathematics, Science, and Education Research Symposium. (Local)

Blessing, S., Roberts, W., & **Nix, S.** (2012). *Undergraduate physics at Florida State University*. Poster presented at the American Physical Society & American Association for Physics Teachers Workshop, Washington, DC. (International)

Invited Workshops

Nix, S. (2018). *Mixed-Methods Research*. Workshop delivered at Outcomes II Course, FSU College of Education, Tallahassee, FL. (Local)

Nix, S., & Perez-Felkner, L. (2016). *Talent Perceptions, Gender, and Race/Ethnicity: Longitudinal Evidence of Impacts on Participation in Mathematics-Intensive Fields*. Workshop delivered at Relevant Research Roundtable, FSU College of Education, Tallahassee, FL. (Local)

Nix, S. & Blessing, S. (2013). *Values Development and Problem Solving Activities to Decrease Stereotype Threat for Young Women in STEM Majors*. *Femina Perfecta: Mentoring Women and Girls in the 21st Century*, Tallahassee, FL. (Regional).

FELLOWSHIPS & SCHOLARSHIPS

National Professional Associations

2014 Graduate Student Travel Grant, Association for the Study of Higher Education, \$400
2014 Division J Graduate Student Travel Grant, American Educational Research Association, \$300

Institutional Awards

2017	W. Hugh Stickler Memorial Dissertation, FSU, \$108.95
2015-2016	Leslie N. Wilson-Delores Auzenne Assistantship For Minorities, FSU, \$5,000
2015-2016	Herman L. Frick Endowed Scholarship, FSU, \$1,000
2014	Louise & Hugh Hinley Endowed Scholarship, FSU, \$500
2007	Luckyday Study Abroad Scholarship, USM, \$4,000
2005-2009	Luckyday Citizenship Program, USM, \$12,000
2005-2009	Mississippi Eminent Scholars Grant, \$10,000

NATIONAL/FEDERAL GRANTS

Awarded

Nix, S. (2016-2017) "Exclusivity Through Challenge: Perceived Ability Under Challenge in Mathematics-Intensive Fields." National Academy of Education/Spencer Foundation Dissertation Fellowship, \$27,500

Nix, S. (2016-2017) "Exclusivity Through Challenge: Perceived Ability Under Challenge in Mathematics-Intensive Fields." P.E.O. (a philanthropic education organization) Scholar Award, \$15,000.

Grants That Supported Research Efforts or Assistantships

Hu, S., Park, T., Tandberg, D. A., Bertand Jones, T. (2014-2017) "Florida Developmental Education Redesign." The Bill and Melinda Gates Foundation, \$1,119,266.

Schneider, B., & Perez-Felkner, L. C. (2012-2015). "NSF GSE/RES: Enhancing the Rigor of Evidence on Gendered Differences in STEM Persistence: Female and Male College Students' Subjective Experiences in Engineering and Computer Science." National Science Foundation, \$523,333.

Cox, B. E. C. (2011-2014). "Linking Institutional Policy To Student Success: A Pilot Study." TG - Texas Guaranteed Student Loan Corporation, \$153,323.

Graduate Research Assistant on Grant Proposals

Hughes, R., Perez-Felkner, L., Tani, N. (submitted) "IUSE Exploratory Project: A Comparative Case Study of Undergraduate Chemistry and Physics Programs at Two Diverse College Campuses." Improving Undergraduate STEM Education: Education and Human Resources, National Science Foundation, \$299,999.

Bertrand Jones, T., Cox, B. E. C., Jordan-Jackson, F., Perez-Felkner, L., Witte, S. (2015) "Signals of Faculty Approachability: Facilitating Mentoring for Underrepresented Students in STEM." Improving Undergraduate STEM Education: Education and Human Resources, National Science Foundation, \$249,816. (Not Awarded)

Bertrand Jones, T., Cox, B. E. C., Perez-Felkner, L., Jordan-Jackson, F. (2014) "Signals of Faculty Approachability: Facilitating Mentoring for Underrepresented Students in STEM." Council on Research & Creativity Multidisciplinary Grant, Florida State University, \$24,996.83. (Not Awarded)

Bertrand Jones, T., Perez-Felkner, L., Jordan-Jackson, F. (2014) "Signals of Faculty Approachability: Facilitating Mentoring for Underrepresented Students in STEM." Council on Research & Creativity Planning Grant, Florida State University, \$13,000. (Not Awarded)

Cox, B. E. C., Bertrand Jones, T., Perez-Felkner, L., Jordan-Jackson, F. F., Witte, S. (2014). "Signals of Faculty Approachability: Facilitating Mentoring for Underrepresented Students in STEM Gateway Courses (Signals)." Alfred P. Sloan Foundation, \$124,962. (Not Awarded)

Perez-Felkner, L. C., Bertrand Jones, T., Cox, B. E. C., Turner, J., Bernadin, S. L., Caldwell, C. V. (2013) "Multiple Perspectives, Multiple Settings: An Interdisciplinary Study of Underrepresented Minorities' Persistence in STEM Fields," Council on Research & Creativity Multidisciplinary Grant, Florida State University, \$25,000. (Not Awarded)

HONORS & AWARDS

2015 Nominated, P.E.O. (a philanthropic education organization) Scholar Award
2015 Nominated, FSU Student Employee of the Year Award
2014 Honorable Mention, Predoctoral Fellowship for Achieving Excellence in College and University Teaching, Ford Foundation
2012-2017 Fellow, Hardee Center for Leadership and Ethics, FSU
2010 New Employee of the Year, FSU Division of Student Affairs
2009 Hall of Fame, USM
2009 Summa Cum Laude, USM

TEACHING EXPERIENCE

2015 Teaching Assistant, Outcomes of Undergraduate Education (graduate level), FSU
2014 Teaching Assistant, Outcomes of Undergraduate Education (graduate level, face-to-face and online), FSU
2013 Teaching Assistant, Sociology of Education (graduate level), FSU
2011-2014 Co-Instructor, Women in Math, Science, and Engineering Colloquium (undergraduate level), FSU

SERVICE TO THE PROFESSION

Invited Manuscript Reviewer

2018 *Educational Researcher*

2015 *SAGE Open*
2014 *Basic and Applied Social Psychology*

Conference Program Reviewer

2011 Jon C. Dalton Institute on College Student Values

Conference Session Facilitator/Chair

2014 Association for Institutional Research Forum, Orlando, FL

Conference Coordinating Committees

2013 Technology & Sessions, Jon C. Dalton Institute on College Student Values
2011 Transportation & Program, Jon C. Dalton Institute on College Student Values

SERVICE TO FLORIDA STATE UNIVERSITY

Division of Student Affairs

2011-2018 Advisor, Garnet & Gold Scholar Society
2009-2013 Mentor, Service Scholar Program
2009-2012 Co-Chair, Front Line Professional Development Group

Educational Leadership & Policy Studies Department

2016 Graduate Student Representative, Assistant/Associate Professor of Higher Education Search Committee
2015-2018 Deputy Security Officer and Manager, IES Restricted Use Data License
2015 Interim Graduate Assistant, Higher Education Program
2014 Chair, Doctoral Orientation Program
2010-2011 Chair, Off-Campus Housing & Tallahassee Tour, Higher Education Visiting Days Committee

PROFESSIONAL ASSOCIATION MEMBERSHIPS

American Educational Research Association
Association for the Study of Higher Education