


Eric T. McChesney, Ph.D.

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EDUCATION

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| Ph.D. | The Ohio State University, Columbus, OH
Higher Education and Student Affairs
Advisor: Matthew J. Mayhew
Dissertation Title: <i>Pluralism orientation development among undergraduate STEMM students during college</i> | 2022 |
| M.A. | University of Florida, Gainesville, FL
Education
Advisor: Jane Townsend
Thesis Title: <i>Literary fiction in academia and the MFA program: A qualitative study of dilemmas in theory, structure, and praxis</i> | 2012 |
| B.A. | Denison University, Granville, OH (cum laude)
English Literature; Minor, Philosophy
Matriculated, St. Andrews University, Scotland | 2010 |

RESEARCH INTERESTS

Career and technical education, graduate and undergraduate interdisciplinary STEM training, diversity in STEM, innovation capacity development, intersectional and critical quantitative methods, mixed-methods research designs, quantitative instrument development and validation.

RESEARCH EXPERIENCE

<u>Graduate Research Assistant</u> The Ohio State University	2018-present
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Program Evaluator

National Science Foundation: NRT-HDR convergent graduate training and EmPOWERment for a sustainable energy future

Work supported by award #1922666, \$2,980,303

- Mixed-methods longitudinal assessment of interdisciplinary STEM graduate training program with a focus on underrepresented minority recruitment and support.
- Co-developed evaluation/research design with project PIs.
- Constructed specialized quantitative scale for measurement of program outcomes and qualitative instruments for interviews and focus groups.
- Gathered, cleaned, analyzed, and reported data.
- Drafted program recommendations, reports, and presentations.
- Coauthored program interventions and elements.
- Managed IRB.

Program Evaluator

National Science Foundation: GP-EXTRA using professional career experiences to strengthen pathways into the geoscience workforce

Work supported by award # 1600542, \$423,122

- Mixed-methods longitudinal assessment of learning experiences and professional aspirations of diverse graduate/undergraduate population in geoscience course with embedded research component.
- Revised quantitative instrument, co-developed qualitative instrument with PI.
- Gathered, cleaned, conditioned, analyzed, and reported data.
- Drafted recommendations and reports.

Research Assistant

Project Innovation Cultivation (InnC)

Work supported by Merrifield Family Trust, \$67,500

- Quantitative longitudinal research project on development patterns of innovation capacities in undergraduate populations.
- Programmed instruments, gathered, cleaned, and analyzed data.
- Drafted, edited, and published 3 research articles and 4 presentations.
- Managed multi-national institutional partnerships, ensured protocol, privacy, and confidentiality measures met institutional and governmental standards.
- Managed IRB, institutional authorization agreements, data sharing agreements.

EXTERNAL GRANTS

1. **McChesney, E. T. & Mayhew, M. J.** (2022). Enhancing Diversity in

Career and Technical STEM: EDiCTS Project. *Educational Credit Management Corporation Foundation*. **\$499,914**.

INTERNAL GRANTS

1. **McChesney, E. T.**, Fitz, J., Ceviren, B., Lightle, K., Lu, X., & Sanchez, B. (2021). Evaluation of the Graduate Student Interdisciplinary Research Initiative in the OSU College of Education and Human Ecology. *Office of Research, Innovation, and Collaboration*. **\$3,375**.
 2. **McChesney, E. T.**, Fitz, J., Ceviren, B., Lu, X., & Sanchez, B. (2021). Graduate Student Interdisciplinary Research Initiative. *Office of Research, Innovation, and Collaboration*. **\$10,000**.
 3. **McChesney, E. T.**, Ahmed, S., Ceviren, B., Fitz, J., Lu, X., & Sanchez, B. (2020). Graduate Student Interdisciplinary Research Initiative. *Office of Research, Innovation, and Collaboration*. **\$10,000**.
 4. Ahmed, S., **McChesney, E. T.**, Ceviren, B., & Rivera, M. (2019). Graduate Student Interdisciplinary Research Initiative. *Office of Research, Innovation, and Collaboration*. **\$10,000**.
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PEER-REVIEWED ARTICLES

1. Selznick, B. S., Mayhew, M. J., Winkler, C. E., & **McChesney, E. T.** (2022). Developing innovators during college: A longitudinal analysis. *Frontiers in Higher Education* (7). <https://doi.org/10.3389/feduc.2022.854436>
 2. Selznick, B. S., Mayhew, M. J., Zhang, L., & **McChesney, E. T.** (2021). Building women's innovation capacities through undergraduate experiences. *Research in Higher Education*. <https://doi.org/10.1007/s11162-021-09659-3>
 3. Selznick, B. S., Mayhew, M. J., Zhang, L., & **McChesney E. T.** (2021). Creating an organizational culture in support of innovation education: A Canadian case study. *Journal of College Student Development*, 62(2), 219-235. <https://doi.org/10.1353/csd.2021.0018>
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BOOK CHAPTERS

1. **McChesney, E. T.** & Mayhew, M. J. (*in preparation*). What really makes a high-impact

practice high-impact? In Kahu, E. & Biak, C. (Eds.), *Research handbook on the student experience in higher education*.

2. Núñez, A. M., Mayhew, M. J., Shaheen, M., & **McChesney, E. T.** (forthcoming 2022). Critical quantitative intersectionality: Maximizing integrity in expanding tools and applications. In Young, M. & Deim, S. (Eds.), *Critical research methods and theory handbook*.
3. Mayhew, M. & **McChesney, E. T.** (2020). The abiding promise of OSU. In S. Gavazzi & D. Staley (Eds.), *Fulfilling the 21st century land-grant mission: Essays in honor of The Ohio State University's sesquicentennial commemoration*. Columbus, OH: The Ohio State University Press.

PEER REVIEWED CONFERENCE PRESENTATIONS

1. Selznick, B. S., Mayhew, M. J., Winkler, C., & **McChesney, E. T.** (2022, April 21). *Developing innovators: A longitudinal analysis over four years* [Research paper]. American Education Research Association annual conference, San Diego, CA, United States.
2. **McChesney, E.T.**, Ahmed, S., Ceviren, B., Fitz, J., Lu, X., & Sanchez, B. (2022, February 23). *Evaluating the Graduate Student Interdisciplinary Research Initiative* [Research paper]. Education and Human Ecology Research Forum at The Ohio State University, Columbus, OH, United States.
3. **McChesney, E. T.**, Mayhew, M. J., & Rockenbach, A. N. (2020, November 13-16). *Global reach doesn't create global citizens: Effects of institutional type on undergraduate global citizenship development* [Research paper]. Association for the Study of Higher Education, New Orleans, LA, United States [Remote].
4. **McChesney, E.T.**, Winkler, C., Selznick, B.S., & Mayhew, M. J. (2020, August 15-17). *Innovative environments work: The development characteristics of innovation capacities in undergraduates* [paper presentation]. European Higher Education Society (EAIR) annual conference at University College, Cork, Ireland. (Conference cancelled).
5. **McChesney, E.T.**, Winkler, C., Selznick, B. S., & Mayhew, M. J. (2020, February 13). *Innovative environments work: The development characteristics of innovation capacities in undergraduates* [poster presentation]. Education and Human Ecology Research Forum at The Ohio State University, Columbus, OH, United States.
6. Selznick, B. S., Mayhew, M. J., Zhang, L., & **McChesney, E. T.** (2019, November 13-17). *Disrupting the tech-bro code: Building women's innovation capacities through undergraduate experiences* [paper presentation]. Association for the Study of Higher

Education (ASHE) annual conference in Portland, OR, United States.

7. Mayhew, M. J., Selznick, B. S., Barnes, A., Zhang, L., Mangia, S., & **McChesney, E. T.** (2019, April 11). *Exploring the effectiveness of pedagogical innovation practices in the development of student leaders' innovation capacities* [conference presentation]. Fisher Leadership Initiative Academic Conference at The Ohio State University, Columbus, OH, United States.
8. **McChesney, E.T.** & Mayhew, M. J. (2019, February 14). *Innovation is for everyone: Building innovation through curricular intervention* [poster presentation]. Education and Human Ecology Research Forum at The Ohio State University, Columbus, OH, United States.
9. Townsend, J., Chevallier, J., & **McChesney, E. T.** (2012, April 20). *An online writing partnership: Co-development of writing and pedagogy among pre-service teachers and high school students* [conference presentation]. Florida Association of Teacher Educators (FATE) Crown/Panhandle Conference, University of Florida, Gainesville, FL, United States.

ADDITIONAL PRESENTATIONS

1. **McChesney, E. T.** (2022, February 25). *Reaching for research: Effects of undergraduate research on STEM students.* [invited presentation]. OSU STEM Student Learning Community, Park-Stradley Hall, Columbus, OH, [Remote].
2. **McChesney, E. T.**, Agarwal, A., Bielicki, J., Dormady, N., Irwin, E., Mayhew, M. J., Newton, E., Quiring, S., Ramnath, R., & Sayre, J. (2021, January 28-29). *Effects of a level-setting bootcamp for interdisciplinary STEM students* [poster presentation]. NSF Research Traineeship (NRT) annual meeting, no location, [Remote].
3. **McChesney, E. T.** & Ratliff, E. (2018, April 14). *Digital literacies and the composition of multi-media argumentation in the 7th grade classroom* [conference presentation]. Marion City/County Retired Teachers Association, Marion City Schools, Marion, OH, United States.
4. **McChesney, E. T.** (2007, September 3). *The post-modern Prometheus: A virtue ethics account of human nature, evolution, and human genetic engineering.* [poster presentation]. Denison University Student Research Forum, Granville, OH, United States.

PUBLIC OUTREACH AND POPULAR MEDIA

1. **McChesney, E. T.**, & Mayhew, M. J. (*under review*). Want to change the world? Then embrace the power of quantitative methods for producing systemic change. *Inside Higher*

Ed.

2. Mayhew, M. J., Selznick, B., Winkler, C. & **McChesney, E. T.** (*under review*). Want students to be innovators? Then rethink your pedagogy. *Chronicle of Higher Education*.
3. Mayhew, M. J., Selznick, B. & **McChesney, E. T.** (2021, October 13). Graduate students want to solve ‘wicked problems’. Are universities delivering? *Edsurge*.
<https://www.edsurge.com/news/2021-10-13-graduate-students-want-to-solve-wicked-problems-are-universities-delivering>
4. Mayhew, M. J., Selznick, B. S., **McChesney, E. T.**, Winkler, C. E., and Shaheen, M. (2021, June 2). Want to hire an innovative college graduate? Choose a transfer student. *EdSurge*.
<https://www.edsurge.com/news/2021-06-02-want-to-hire-an-innovative-college-graduate-choose-a-transfer-student>

TEACHING INTERESTS

Research methods, introductory statistics, ANOVA, regression, hierarchical regression, SEM, instrument construction, interaction of students and environment, college impact, college student development.

TEACHING EXPERIENCE

Graduate Teaching Assistant
The Ohio State University

ESHESA 7512 Interactions of students and environments 2021

- Introductory course for Ed. D. student population
- Revised syllabus, pedagogy, lecture materials, and assessments for fully-online synchronous/asynchronous delivery
- Delivered and recorded asynchronous classes
- Facilitated synchronous classes
- Provided virtual office hours and significant on-demand assistance to students

ESHESA 7512 Interactions of students and environments 2020

- Mid-program course for M.A. student population
- Assisted teaching team in revision of syllabus, lecture materials, and activity facilitation
- Provided logistical support

Instructor of Accelerated 9th Grade English, and 7/8th Grade ADV English 2015-2018

Ulysses S. Grant Middle School, Marion City Schools, Marion, OH

- Co-authored a year-long institution-wide reading comprehension and writing initiative that resulted in significant improvement on

student standardized test outcomes.

- Faculty founder of LGBTQA alliance.
- Used improvement science principles (Bryk, 2015) to modify mandated literacy collaborative pedagogical techniques for use in secondary and gifted educational settings.
- Principal author of novel common assessments and curriculum for 8th and 9th grade English courses.
- Led professional development seminars on effective pedagogies for writing prompt analysis and argument composition.
- Developed interdisciplinary digital and media literacies modules for use in 7th, 8th, and 9th grade classrooms.
- Academic affairs committee member.
- English representative to the Building Leadership Team (BLT).

Instructor of 5th, 6th, 7th, and 8th Grade English

2014-2015

Renaissance Academy Charter Institution, Columbus, OH

- Developed highly-differentiated, media-enabled, culturally-appropriate pedagogies and curriculum to meet needs of diverse learners with low traditional-literacy skills.
- Developed effective interventions for learners possessing a wide range of behavioral and learning needs and for students living in traumatogenic contexts.

Instructor of Writing Composition and Drama, Theater Manager

2012-2013

Columbia High School, Lake City Schools, Lake City, FL

- Created novel composition curriculum for 9-12th grade students.
- Established safe space and ally network and advocated for LGBTQ+ rights, equity, and inclusion.
- Managed theater program.

ADDITIONAL EXPERIENCE

Latin Tutor

2007-2010

Classics Department

Denison University, Granville, OH

Design and Public Relations

2007-2010

Office of Religious and Spiritual Life

Denison University, Granville, OH

Research Assistant

2007-2008

Philosophy Department

Denison University, Granville, OH

PROFESSIONAL DEVELOPMENT

1. Lu, X., Ceviren, B., Fitz, J., **McChesney, E. T.**, & Sanchez, B. (2021, October 4). *Coauthorship across disciplines*. [Webinar and workshop, hybrid]. Research Commons, The Ohio State University, Columbus, OH.
2. Sanchez, B., Ceviren, B., Fitz, J., Lu, X., & **McChesney, E. T.** (2021, September 20) *Interdisciplinary research in practice: Views from the field*. [Hosted panel discussion, hybrid]. Research Commons, The Ohio State University, Columbus, OH.
3. Fitz, J., Ceviren, B., Lu, X., **McChesney, E. T.** & Sanchez, B. (2021, August 16) *Performing mixed methods research: Beyond theory*. [Webinar and workshop, hybrid]. Research Commons, The Ohio State University, Columbus, OH.
4. **McChesney, E. T.**, Ceviren, B., Fitz, J., Lu, X., & Sanchez, B. (2021, August 9). *An introduction to interdisciplinary research for the social and behavioral sciences*. [Workshop and webinar, hybrid]. Research Commons, The Ohio State University, Columbus, OH.
5. Bahari, T. E. & **McChesney, E. T.** (2021, August 6). *EmPOWERment peer mentor training workshop*. NSF EmPOWERment program bootcamp, no location, [Remote].
6. **McChesney, E.T.**, Ahmed, S., & Ceviren, B. (2020, March 3). *Interdisciplinary research and training colloquium series: Publishing across disciplines*. College Commons, The Ohio State University, Columbus, OH.
7. **McChesney, E.T.**, Ahmed, S., & Ceviren, B. (2020, January 11). *Interdisciplinary research and training colloquium series: Mixing disciplines and designs*. College Commons, The Ohio State University, Columbus, OH.
8. **McChesney, E.T.**, Ahmed, S., & Ceviren, B. (2019, December 4). *Interdisciplinary research and training colloquium series: Epistemological flexibility and generous thinking*. College Commons, The Ohio State University, Columbus, OH.

PROFESSIONAL SERVICE

Assistant editor, <i>Digest of Recent Research</i> , Council of Independent Colleges	2020-present
Proposal reviewer, <i>American Educational Research Association</i>	2020-present
Proposal reviewer, <i>Association for the Study of Higher Education</i>	2020-present

UNIVERSITY SERVICE

The Ohio State University

Evaluator, <i>Denman Undergraduate Research Forum</i>	2022
Chair, <i>Graduate Student Interdisciplinary Research Initiative</i> College of Education and Human Ecology	2020-present
Admissions committee Higher education and student affairs program	2020-present
Interim chair, <i>Graduate Student Interdisciplinary Research Initiative</i> College of Education and Human Ecology	2019-2020
Co-founder, competitive grant proposal reviewer, <i>Graduate Student Interdisciplinary Research Initiative</i> College of Education and Human Ecology	2018-2019

SCHOLARLY AFFILIATIONS

Association for the Study of Higher Education (ASHE)	2019-present
American Educational Research Association (AERA)	2018-present
North American Society for the Study of Romanticism (NASSR)	2011-2018
Byron Society of America	2011-2018
Kappa Delta Pi, Education Honorary Society	2011-2018
AWP Association of Writers and Writing Programs	2009-2011
Sigma Tau Delta, English Honorary Society	2007-2010

HONORS, AWARDS, AND ACHIEVEMENTS

Ray Travel Grant for Outstanding Service	2022
University Fellowship, The Ohio State University	2018
Marion City/County Retired Teachers Association research grant	2017
Impact Award for Teaching Excellence, Cristo Rey Charter School	2016
Research Fellowship, Denison University Philosophy Dept.	2007

ADDITIONAL SKILLS

Software

IBM SPSS, MPlus, HLM, STATA, G*Power, Dedoose, Qualtrics, Alchemer, MS Office Suite, Adobe Acrobat DC, DocuSign

Languages

Latin, *proficient reading, writing, and translating*
Spanish, *basic speaking, reading, writing, and translating*

French, *basic speaking, reading, writing, and translating*