Whitney B. Gaskins, Ph.D., CDP

Associate Dean of Professional Development and Community Impact
Associate Professor of Engineering Education
College of Engineering and Applied Science
University of Cincinnati
LinkedIn: linkedin.com/in/whitney-gaskins

EXECUTIVE LEADERSHIP PROFILE

Senior academic leader with more than eight years of progressive administrative experience building institutionally aligned programs in student success, career readiness, faculty development, community engagement, and workforce partnerships. Inaugural Associate Dean who founded and scaled a seven-member professional team, manages a $1.5M+ annual budget, develops cross-college strategy, and has secured multimillion-dollar public, federal, corporate, and philanthropic investments. Engineering education scholar, former Toyota quality engineer, and nonprofit founder known for translating ambitious ideas into measurable, sustainable programs that strengthen retention and graduation and connect learners with employers and communities.

CORE LEADERSHIP AREAS

Cooperative and Experiential Education | Student Success and Retention | Workforce and Employer Partnerships | Professional and Continuing Learning | Academic Innovation | Faculty Development and RPT Support | Budget and Operational Leadership | Fundraising and Grant Development | Assessment and Continuous Improvement | Community and Economic Engagement

ADMINISTRATIVE AND FACULTY APPOINTMENTS

June 2023 - Present — Associate Dean
University of Cincinnati, Cincinnati, Ohio.
Inaugural Associate Dean responsible for college-wide faculty development, student success and retention, community engagement, employer partnerships, strategic planning, assessment, staffing, and budget stewardship.

January 2018 – June 2023 **Assistant Dean**
University of Cincinnati, Cincinnati, Ohio.
Inaugural Assistant Dean responsible for building and leading the Office of Inclusive Excellence and Community Engagement, recruiting and retaining students from varied backgrounds, and developing community and corporate partnerships.

August 2021 - Present — Associate Professor - Educator

August 2015-2021 — **Assistant Professor - Educator.**
University of Cincinnati, Cincinnati, Ohio.
Duties include conducting research in educational settings, teaching undergraduate courses in engineering foundations, calculus and innovation, teaching graduate courses in engineering education, advising graduate students at the doctoral level, serving on dissertation research committees, and providing service to the department, school, college, university, profession, and community.

ADMINISTRATIVE LEADERSHIP AND IMPACT

January 2018 – Present — **Professional Development and Community Impact**
Inaugural Associate Dean, University of Cincinnati

Leadership & Strategic Direction

- Founded and scaled the Office of Professional Development and Community Impact from inception; lead seven professional staff members and five student employees across

student success, faculty development, community engagement, workforce partnerships, data, and operations.
- Created an integrated K–Career strategy encompassing outreach, academic transition, belonging, leadership development, and professional excellence.
- Developed PDCI's inaugural 5-year strategic plan, aligning learning, community engagement, and professional development with UC's strategic priorities.

Faculty Development & Mentorship Infrastructure

- Designed and led the CEAS Teaching Institute and faculty development series, New Faculty Orientation, Continuing Orientation, and KEEN-aligned programming.
- Helped lead the implementation of the KEEN Institute within the college
- Built and launched CEAS's Enhanced Faculty Mentorship Program, including triad mentor teams for teaching, research, and service with scaffolded training.
- Integrated the KEEN Entrepreneurial Mindset Framework into CEAS-wide faculty training.
- Expanded New Faculty Acclimation and faculty mentoring to include sustained onboarding, RPT guidance, and structured teaching, research, and service support.
- Led a developmental peer-observation pilot and college-wide implementation planning to strengthen teaching through formative, evidence-based feedback.

Student Success, Retention & Leadership Development

- Created the Engineering Success Pathway, a structured first-generation & pre-engineering support model.
- Lead a multi-college Choose Ohio First scholarship and student-success portfolio spanning Arts and Sciences, Engineering and Applied Science, Nursing, Medicine, and Information Technology; secured a new award beginning in academic year 2027-28.
- Expanded the Summer Bridge Program, achieving a 95% first-to-second-year retention rate among participants.
- Launched the Sophomore Leadership Scholars (SLS) program and coordinated multi-year leadership pipelines.

Pre-College & Community Impact Innovation

- Designed and implemented large-scale K–12 programs including:
    - GE Next Engineers
    - STEM Immersions,
    - Family Engineering Academy,
    - CPS Strong Physics/Chemistry Program, and
    - URM Graduate School Symposium.
- Co-created the STEM Workforce Development Series with the Cincinnati USA Regional Chamber, African American Chamber, and Hispanic Chamber.

Organizational Infrastructure & Impact

- Managed $1.5M+ annual budget, securing philanthropic and corporate support from GE Aerospace, Honeywell, Messer, P&G, Danis, Schaefer, Marathon, and others.
- Designed and executed multiple cost-savings and operational efficiency systems to maximize programmatic reach.
- Led data-driven evaluation processes to increase overall diversity enrollment by +5% for 3 consecutive years.

Cooperative Education, Workforce, and Employer Partnerships

- Advance career-connected learning at UC, the birthplace of cooperative education, by connecting students with employers through professional development, field-based learning, mentoring, and workforce initiatives.
- Lead the $4.36 million GE Aerospace Next Engineers 3.0 partnership through 2034, aligning pre-college pathways with college access, career readiness, employer engagement, and alumni outcomes.

- Designed employer-connected components of the seven-week Summer Bridge Program, including engagement with GE Aerospace, Johnson & Johnson, Procter & Gamble, Kroger, and other prospective co-op employers.
- Co-created the regional STEM Workforce Development Series with the Cincinnati USA Regional Chamber, African American Chamber, and Hispanic Chamber to align education, talent development, and employer needs.
- Serve in university service-learning leadership connecting faculty, students, nonprofit organizations, and community partners through course-based experiential learning.

January 2009 - Present **Founder and Chief Executive Officer - STEMulating Futures**

Strategic Leadership & Organizational Growth

- Founded a STEAM nonprofit that now serves thousands of youth annually across the country.
- Built a sustainable operating model supported by grants from the Simons Foundation**,** Greater Cincinnati Foundation**,** Battelle**,** Jack and Jill Foundation**,** 7 Principles Foundation, and additional philanthropic partnerships.
- Secured more than $400,000 in foundation funding for STEAM programming.

Signature Programs & STEAM Ecosystem Building

- Cincinnati STEMulates – 15+ years of hands-on engineering, design, and technology programming for underrepresented youth.
- EPICC (Empowering Parents in Community Churches) **–** Nationally recognized program leveraging churches as STEM learning hubs.
- STEMulation Zones – Community-based innovation labs centered on informal engineering design and problem-solving.
- STEMulating Saturdays – Hands-on K–12 workshops integrating art, engineering, and storytelling.
- STEMTime & Family Engineering Academy – Multimedia + experiential learning series for families.
- Learning Management System – Created a learning system designed to help K-career students develop skills to prepare them to enter into STEM fields

Creative Media & Public Engagement

- Executive Producer of the animated series Wesleigh, Waylen & Waverly's STEMulating Adventures, integrating storytelling, engineering concepts, and visual design.
- Author of 5 children's books merging mathematics, science, engineering, astronomy, and social learning.
- Creator of STEMulating Storytime, a digital learning platform combining books with hands-on STEAM activities (YouTube, Instagram).
- Director/Producer of the two-part documentary series "The Roadmap to STEM."

Workforce Development & Regional Partnerships

- Host of the regional STEM Workforce Development Series with the Cincinnati USA Regional Chamber uniting industry, community stakeholders, and educational partners to address STEM talent disparities.
- Built long-term partnerships with GE Aerospace, Procter & Gamble, Johnson & Johnson, Ethicon, Honeywell, Danis, and Cincinnati Public Schools.

Community Impact & Research Integration

- Conducted community-based participatory research (CBPR) linking creative technologies, mental health, belonging, and STEM identity.
- Partnered with parents, churches, youth organizations, and industry to build an intergenerational STEAM ecosystem.

EDUCATIONAL BACKGROUND

Ph.D.

Biomedical Engineering — University of Cincinnati, Cincinnati, Ohio
Date of Graduation: April 2014
Engineering Education focus
Doctoral Dissertation: Changing the Learning Environment in the College of Engineering and Applied Science: The impact of Educational Training on Future Faculty and Student-Centered Pedagogy on Undergraduate Students
Doctoral Dissertation Chair: Anant Kukreti, Ph.D.

M.S.

Quantitative Analysis — University of Cincinnati, Cincinnati, Ohio
Date of Graduation: December 2010
Master Thesis Chair: David Kelton, Ph.D.

B.S.

Biomedical Engineering — University of Cincinnati, Cincinnati, Ohio
Date of Graduation: May 2008

PEER-REVIEWED PUBLICATIONS (n=38)

https://www.researchgate.net/profile/Whitney-Gaskins

Whitney Gaskins - Google Scholar

Gaskins, W., Onyango, M. (2026, August) *Navigating Undergraduate Engineering Research Tasks and Challenges Through Structured Reflection* Paper presented at 2026 FYE Annual Conference, Newark, New Jersey

Askarian Khanamani, S., & **Gaskins, W.,** & Agarwal, J. (2026, June), *More Than Paper Cranes: A STEAM-Based Approach to Teaching the Engineering Design Process Through Origami (Work In Progress)* Paper presented at 2026 ASEE Annual Conference & Exposition, Charlotte, North Carolina. 10.18260/1-2—60190

Zhan, J., & **Gaskins, W.,** & Lim, Y. S., & Dong, D., & Burkhart, N., & Holton, J. (2026, June), *Early Outcomes of Layered Supports for First-Year CS Majors* Paper presented at 2026 ASEE Annual Conference & Exposition, Charlotte, North Carolina. 10.18260/1-2—59004

Askarian Khanamani, S., & Adelman, E., & **Gaskins, W.,** & Turner, K., & Meintel, E., & Kim, C. (2026, June), *Evaluating an Engineering Summer Camp: A Pre/Post-Analysis of Student Awareness, Interest, and Agency* Paper presented at 2026 ASEE Annual Conference & Exposition, Charlotte, North Carolina. 10.18260/1-2—59533

Meintel, E., & **Gaskins, W.** (2026, March), *Reimagining Engineering Education Through Arts-Based Research: Centering the Social in our Social Science* Paper presented at 2026 ASEE North Central Section Conference, Alliance, Ohio. 10.18260/1-2--58373

Onyango, M. O., Elahe, V., Anne, T. K., Kelly, C. J., Adam, K., & Whitney, G. W. (2025, November). WIP: Using Hybrid Cognitive Interviews to Examine Validity of the Life Stressor Checklist to Study Racialized Stress Among Undergraduate Engineering Students. In 2025 IEEE Frontiers in Education Conference (FIE) (pp. 1-4). IEEE.

Vahidi, E., Pawley, E., & Gaskins, W. (2025, November). Empowering Neurodivergent Student Voices in Engineering: A Participatory Action Approach to Inclusion and Retention. In 2025 IEEE Frontiers in Education Conference (FIE) (pp. 1-6). IEEE.

Onyango, M. O., Vahidi, E., Thomas, K. A., Cross, K. J., Kirn, A., & Gaskins, W. (2025, June). WIP: Adaptation of The Life Stressor Checklist to Study Racialized Stress Among Black and Latiné Undergraduate Engineering Students. In 2025 ASEE Annual Conference & Exposition.

White, D., & **Gaskins, W**. (2025). The Next Leaders Academy: Learned Experience from an summer camp experience. 2025 Collaborative Network for Engineering & Computing Diversity (CoNECD) Proceedings. https://doi.org/10.18260/1-2--54119

Gaskins, W., & White, D. (2024). The Gaskins Foundation: Building Community-Driven STEM Education. Journal for the Study of Cooperative and Experiential Education, 1(1).

Vahidi, E., Meintel, E., Onyango, M., & **Gaskins, W**. (2024). A systematic literature review of Neurodiversity in Engineering Higher Education. 2024 IEEE Frontiers in Education Conference (FIE), 1–6. https://doi.org/10.1109/fie61694.2024.10893394

Johnson, A., Askarian Khanamani, S., Onyango, M., & **Gaskins, W.** (2024). Board 179: Campus climate, stem students: Examining structural obstacles for BW Student Success. 2024 ASEE Annual Conference & Exposition Proceedings. https://doi.org/10.18260/1-2--46742

Thomas, K., **Gaskins, W.,** & Cross, K. (2024). Literature Review: Black, Latin, and Indigenous Students' Experiences of Stress, Distress, and Trauma in Engineering. Paper presented at the AERA Conference & Exposition. https://doi.org/10.3102/2108411

Vahidi, E., Onyango, M., Thomas, K., **Gaskins, W**., & Cross, K. (2024). Racialized Trauma for Black, Latin, and Indigenous Engineering Students: A Systematic Literature Review. Paper presented at the ASEE Annual Conference & Exposition. http://dx.doi.org/10.18260/1-2--46497

Raju, G. M., Feldkamp, P., & **Gaskins, W.** (2024). Factors shaping Students' Attitude and Persistence after participating in a summer physics course–A Mixed Methods Study. Journal of STEM Education: Innovations and Research, 25(2). http://dx.doi.org/10.63504/jstem.v25i2.2636

White, D., & **Gaskins, W**. (2024). Demagnetizing Engineering. 2024 Collaborative Network for Engineering & Computing Diversity (CoNECD) Proceedings.https://doi.org/10.18260/1-2--45442

Eason, K., **Gaskins, W.**, Guy, B., Martin, S., & Askarian, S. (2023). We Lose the Game Before We Start to Play: How Black Women Make Meaning of Their Experiences in Engineering Education. Journal of Black Excellence in Engineering, Science, & Technology, 1, 1-21. https://nsbejournal.scholasticahq.com/article/90625-we-lose-the-game-before-we-start-to-play-how-black-women-make-meaning-of-their-experiences-in-engineering-education

Gaskins, W., Guy, B., & Arthur, B. (2023). Reflections on Implementing Participatory Action Research in Engineering. Journal of Education and Development, 7(3), 18. http://dx.doi.org/10.20849/jed.v7i3.1369

Guy, B., Arthur, B., **Gaskins, W**., & Cooper, C. (2023). "Oscillating Between Hope and Despair": A Narrative Case Study of Culture and Coping for Women in Engineering in Higher Education and Industry. International Journal of Contemporary Education, 6(1), 29-36. doi:http://dx.doi.org/10.11114/ijce.v6i1.5908

Gaskins, W., Askarian, S., & Eason, K. (2022). Black is gold: The importance of racial identity to black undergraduate students in engineering. 2022 ASEE Annual Conference & Exposition Proceedings. https://doi.org/10.18260/1-2--41106

Gaskins, W. (2022). Holistic retention programming for first year students. 2022 First-Year Engineering Experience Proceedings. https://doi.org/10.18260/1-2--42242

Cross, K. J., **Gaskins, W. B**., & Coley, B. C. (2022). We cannot address what we do not acknowledge. Understanding and Dismantling Privilege, 12(1), 68-85. https://wpcjournal.com/issue/view/all%23blacklivesmatter

Gaskins.W., Lampley, P., Cabrera-Torro, K., "Leveling the Playing Field: A Virtual Summer Camp for Women of Color" Paper published and presented at American Society Engineering Education Annual Conference & Exposition, virtual conference (2021) http://dx.doi.org/10.18260/1-2--37453 **Best DEI paper Award**

Thomas, K., **Gaskins, W**., Cross, K., "Double Standard: How Women of Color Must Navigate in the Engineering Environment." Paper published and presented at American Society Engineering Education Annual Conference & Exposition, virtual conference (2021) http://dx.doi.org/10.18260/1-2--36993

Wittrock, D., & **Gaskins, W.**, & Agarwal, J., & Raju, G. "Removing Barriers and Preparing Students for STEM Majors through Partnerships with Local Public Schools." (2021) Paper presented at 2021 CoNECD, Virtual - 1pm to 5pm Eastern Time Each Day. https://peer.asee.org/36117

Gaskins, W., et al. "Parents' Perceptions of STEM Education in Black Churches." Paper published and presented at American Society Engineering Education Annual Conference & Exposition, virtual conference (2020) **http://dx.doi.org/10.18260/1-2--35036 Best Paper Award**

Gaskins, W., & Clark, D. "Creating an Effective Retention Program" Paper published and presented 2019 First Year Engineering Experience. University Park, Pennsylvania(2019)https://www.asee.org/public/conferences/150/papers/28092/view

Gaskins, W., et al. "Numeracy: Preparing Students for Success in Algebra." Paper Published and presented 2019 Annual The Collaborative Network for Engineering and Computing Diversity (CoNECD), Crystal City, Virginia (2019) http://dx.doi.org/10.18260/1-2--31778

Cross, Kelly J., **Gaskins, W.,**Walter, L.C, "The Structure of Change: A Content Analysis of Engineering Diversity Plans and Mission Statements." Paper published and presented 2018 IEEE Frontiers in Education Conference (FIE). San Jose, California (2018) http://dx.doi.org/10.1109/FIE.2018.8659051

Gaskins, W., Olatunji, C. W., Berger, M., Burbanks, S., & Jenkins, K. "Work in Progress

Presence of Stereotype Vulnerability in Freshman STEM students at a Historically Black College." Paper published and presented at American Society Engineering Education Annual Conference & Exposition, Columbus, Ohio (2016) http://fyee.asee.org/FYEE2017/papers/20888.pdf

Gaskins, W., & Sheth, N. B., & Rice, K, "Sticky Innovation: Exploring the Problem of the Bees through Engineering and Art" Paper published and presented at American Society Engineering Education Annual Conference & Exposition, Columbus, Ohio (2016) http://dx.doi.org/10.18260/1-2--28848

Gaskins, W., "University of Cincinnati UC Scholars Academy: Preparing students for STEM Undergraduate Careers," American Society of Engineering Education North Central Section Conference, Mount Pleasant, Michigan (2016) https://asee-ncs.org/proceedings/2016/faculty_regular_papers/2016_ASEE_NCS_paper_64.pdf

Kastner, J., Bucks, G., **Gaskins, W.**, Honken, N., Roseman, R., Torsell, J., "Modifications to a Freshman Engineering Foundations Course," American Society Engineering Education North Central Section Conference, Mount Pleasant, Michigan (2016)

Gaskins, W., "Workshop Collaborative Calculus for Underrepresented Engineering Students," 8th Annual FYEE First Year Engineering Experience Conference, Columbus, OH (2016) http://fyee.asee.org/FYEE2016/papers/158.pdf

Gaskins, W. "New Approaches to Teaching Calculus to Engineering Freshman ", Paper published for Presentation at the Research in Engineering Education Symposium, Dublin, Ireland (2015)

Gaskins, W., C.V. Maltbie and A.R. Kukreti, "Student Understanding of the Engineering Design Process Using Challenge Based Learning", Paper published for presentation at the American Society of Engineering Education Annual Conference, Cincinnati, Ohio (2015) https://dx.doi.org/10.18260/p.24764

Gaskins, W. "Integrating the Challenge Based Learning Approach in a Freshman Engineering Foundations Course: Instructors' Perspective." Paper published for presentation at the American Society of Engineering Education North Central Section, Cincinnati, Ohio (2015) https://asee-ncs.org/proceedings/2015/Paper%20files/Faculty_Papers/2015_ASEE_NCS_Conference_submission_23.pdf

Gaskins, W., Kukreti, A. R. "Changing the Learning Environment in the College of Engineering and Applied Science Using Challenge Based Learning", International Journal of Engineering Pedagogy (2015) http://dx.doi.org/10.3991/ijep.v5i1.4138

Gaskins, W, C. V. Maltbie and A.R. Kukreti, "Preparing Future Faculty Program that Connects to Students," Paper published for Presentation at the International Annual Mentoring Conference, Albuquerque, New Mexico (2014)

Jordan, K, **Gaskins, W** "Understanding Engineering Self-Efficacy of Students Involved with a Professional Minority Engineering Society," Paper published for Presentation at Research Engineering Education Symposium Conference Proceedings, Madrid, Spain (2011)

Kopechek, Chzanowski, Smith, **Gaskins,** Abruzzo Huang, McPherson, Holland, "Ultrasound-mediated release of calcein from echogenic liposomes," J Acoust. Soc. Am., 122:3007 (2007) http://dx.doi.org/10.1121/1.2942739 .

ESSAYS (n= 1)

Baxi Sheth, N and **Gaskins, W**. "What Biodesign Means to Us." Biodesigned: Issue 5, 21 January, 2020.

BOOKS and BOOK CHAPTERS (n=10)

Gaskins, W. "STEAM+ Arts Integration Insights and Practical Applications", August 2017

Gaskins, W. "Math ABC's", January 2021

Gaskins, W. "BME with Mommy and Me", June 2021

Chapdelaine, R., **Gaskins, W.** "When Will the Joy Come: Black Women in the Ivory Tower", October 2022 (chapter published)

Gaskins, W. "Geometry from A to Z", April 2023

Gaskins, W. "The Great American Eclipse", March 2024

Gaskins, W. "Bridge The Gap: Promoting Neuroinclusive Post-Graduation Employment And Career Services In Higher Education", November 2026

Gaskins, W. Vahidi "Evidence-based neuroinclusive teaching, course design, and student support in higher education" March 2025

Gaskins, W. Adams, S. Evans. S., "Partner and Leverage: Stories of Stewardship and Leadership from Women of Color in Engineering" 2025

Gaskins, W, Pritchard, T, et. al EPICC STEMulation Book

DOCUMENTARIES (n= 2)

Gaskins, W., Director and Producer. “The Roadmap to STEM,Part 1.” 2022 April 23.
Gaskins, W., Director and Producer. “The Roadmap to STEM, Part 2.” 2023 November 1.

NEWS/MAGAZINE (n= 3)

Gaskins, W. “May View: Qualified STEM workforce needs collaboration”
https://www.bizjournals.com/cincinnati/news/2022/02/24/my-view-qualified-stem-workforce-needs-collaborati.html
Reed, Teri K., **Gaskins, W.,** et al. "Towards Civility: Efforts to Address Harassing Behaviors in Engineering.(2020): 3055-3057.
Gaskins, W., Bankston, K., White, D., Puente, A. "STEMulating a New K–12 Pathway." (2020): 3064-3066

GRANT ACTIVITY (Listed Project Value = $13,581,791.17; Credited Amount = $2,195,488.91)

Funder	Award	Award No	Period or Status	Amount
STEMulating Futures (formerly The Gaskins Foundation)				
GCF	Better Together Fund		1/1/2026 - N/A	$50,000
GCF	Educational Futures Grant		1/1/2026 - 12/31/2026	$25,000
Simons Simons Foundation	EPICC STEMulation		12/1/2025 - 11/30/2026	$110,000
City of Cincinnati United Way	City of Cincinnati Human Services Fund		08/01/ 2025 - 07/31/2026	$100,000
Simons Simons Foundation	EPICC STEMulation		12/1/2024 - 11/30/2025	$110,000
Simons Simons Foundation	EPICC STEMulation		12/1/2023 - 11/30/2024	$106,800
Simons Simons Foundation	EPICC STEMulation		12/1/2022 - 11/30/2023	$106,000
Simons Simons Foundation	EPICC STEMulation		12/1/2021 - 11/30/2022	$60,000
GCF Greater Cincinnati Foundation	STEMulation Zones: Empowering Communities through Programming		6/1/2021 - 5/31/2022	$30,000
The Columbus Foundation Battelle	STEMulation Zones: Empowering Communities through Informal STEM Programming		5/17/2021 - 5/1/2022	$25,000
Jack and Jill Foundation of America Jack and Jill, Inc	STEMulating Saturdays: Providing Informal STEM Education in Underrepresented Communities		8/1/2021 - 5/31/2022	$10,000
7 Principles Foundation	STEMTime: Creating STEM Programming for K-12 Students		7/1/2021 - 6/30/2022	$5,000
The University of Cincinnati				
GE GE Foundation	GE Next Engineers (continuation)		1/1/2026 - 12/31/2034	$4,355,301
ODHE Ohio Department of Higher Education	Choose Ohio First - STEM	24.37	9/1/2024 - 8/31/2029	$989,999.21

Funder	Award	Award No	Period or Status	Amount
ODHE Ohio Department of Higher Education	Choose Ohio First - STEM	23.39	9/1/2023 - 8/31/2028	$659,999.96
NSF National Science Foundation	Collaborative Research: Track 2: Disrupting Engineering Trauma	2212690	Canceled 5/2/2025	$249,303
ODHE Ohio Department of Higher Education	Choose Ohio First - STEM	22.38	9/1/2022 - 8/31/2027	$1,368,000
Herman Schneider Herman Schneider Foundation	Summer Research		1/1/2022 - 12/31/2022	$14,000
GE GE Foundation	GE Next Engineers		9/1/2021 - 8/31/2026	$1,380,000
ODHE Ohio Department of Higher Education	Choose Ohio First - STEM	21.48	9/1/2021 - 8/31/2026	$1,070,000
NSF University of Cincinnati Main Campus	Towards Civility: A workshop to Evaluate and Inspire Collection and Analysis of Data on Harassing Behaviors in Engineering and Engineering Technology	2053141	4/1/2021 - 9/30/2023	$49,999
ODHE Ohio Department of Higher Education	Choose Ohio First - Computer Science	19.75	9/1/2020 - 8/31/2025	$377,300
NSF LSAMP	The Ohio LSAMP Alliance	1817314	9/1/2018 - 7/31/2025	$279,000
ODHE Ohio Department of Higher Education	Choose Ohio First -Diversifying STEM	16.59	9/1/2018 - 8/31/2023	$1,485,000
NSF University of Cincinnati Main Campus	NSF INCLUDES Conference: A Convening on Community-Engaged Assessment	1812795	4/14/2018 - 3/30/2020	$250,000
Herman Schneider Herman Schneider Foundation	Summer Research		10/1/2018 - 9/30/2019	$4,000
Procter and Gamble Proctor and Gamble	Sophomore Leadership Program		9/1/2018 - 8/31/2019	$10,000
University of Cincinnati University of Cincinnati DEI	Mentoring Concordance in Nursing and Engineering		3/1/2018 - 2/28/2019	$5,000
NSF Xavier University of Louisiana	HBCU-DCL EAGER: Engineering Education: Capturing and Defining Experiences of Stereotype Threat Among African American Students in Engineering.	1648609	9/14/2016 - 8/30/2018	$289,089
Herman Schneider Herman Schneider Foundation	National Society of Black Engineers (NSBE) Jr.		10/1/2016 - 9/30/2017	$8,000

FUNDRAISNG ACTIVITY

Partner	Purpose	Period	Amount
Honeywell	establish Honeywell Inclusive Excellence Fund	2/1/2023 - 5/1/2027	$60,000/year
Messer	establish Messer Inclusive Excellence Fund	5/17/2021 - 5/1/2024	$50,000/year
Danis	establish The Danis Inclusive Excellence Fund (Fund)	2/1/2021 - 1/31/2022	$20,000
General Electric	support the Inclusive Excellence and Community Engagement Awards	4/1/2020 - 4/30/2020	$5,000
Jacobs	support the summer bridge program	6/1/2021 - 8/1/2021	$5,000
Schaefer	establish IECE CPS Strong Support Fund (Fund)	6/1/2020 - 6/1/2024	$5,000/year
P&G	P&G Inclusive Excellence in Science and Engineering Fund that will support IECE, WOCESC, and the summer bridge program	6/1/2021 - 5/31/2024	$60,000/year
L3 Harris	establish L3 Harris WiE Fund (Fund) to support WOCESC and scholarship	4/1/2021 - 4/1/2022	$15,000/year
Marathon	establish Marathon scholars	6/1/2021 - 5/31/2024	$50,000/year

STRATEGIC INITIATIVES

2022 - present

STEM Workforce Development Series: A quarterly event series coordinated in partnership between the Cincinnati USA Regional Chamber, Greater Cincinnati and Northern Kentucky African American Chamber, Hispanic Chamber Cincinnati USA, and The Gaskins Foundation. The goal of the series is to showcase the need to bridge the diversity gap in STEM education and careers – as well as initiatives and available resources supporting these efforts – to continue building our region for the future.

2021

CEAS Equity and Inclusion Committee: Engineered and Institutionalized the college's equity and Inclusion Committee. The committee's charge is to (1) Work closely with the other colleges to engage students to participate in diversity, equity and inclusion events and inter-professional activities. (2) Provide leadership on diversity, equity and inclusion initiatives contained in the college's strategic plan. (3) Work closely with the Office of Undergraduate Recruitment and Admissions and the Graduate Studies Office to assist with pipeline of diverse applicants and to establish a process for engagement of students from diverse backgrounds in the application and interview processes. (4) Submit grant applications to the university and other outside agencies for potential sources of revenue for college diversity, equity and inclusion projects.

Equity and Inclusion Summit: The summit is designed to engage our college stakeholders in authentic and open conversations centered around diversity, equity, and inclusion as well as to facilitate learning and illustrate how diversity aids in technical excellence. The summit will focus on topics such as college climate, diversifying the workplace, and accountability measures.

Math Bootcamp: Retention of our students to either CEAS or UC is most significantly impacted by performance in the first-year calculus sequence. Not only are the student's grades affected by poor performance, but they often fall behind in the curriculum. In engineering and computing majors, this means either delayed graduation or dropping out of the school. Summer bootcamps have been shown to help students transition to the demands of college math courses. Invited students who scored below a 29 on the math portion of the ACT and scores below the 750 Math Placement Test (MPT).

Building Bridges Workshop: During this two-day session, participants gathered for honest, at times, difficult discussion confronting fear, unpacking what needs to be unpacked, and embracing moments of discomfort to engage in courageous conversations. Identities are multifaceted. To be effective allies, it is essential to create space for open communication, for sharing and listening, and for mutual understanding across and between races. Only once we understand the unique challenges that others face will we be able to become effective allies to each other.

2020 - Present

Engineering Success Pathway (ESP): Designed for first generation college students with three primary goals in mind (1) To review the important university resources (2) To address the academic rigor of a CEAS student (3) To create a community of First Generation & Exploratory/Pre-Engineering scholars. ESP is intended for incoming students to prepare for college life both inside the classroom and out.

2019 - Present

Women in Engineering Program Development: Developed the WiE program and hired the inaugural director. Director is responsible for strategically championing initiatives on recruitment, retention, engagement, career development, and leadership development of women in the College of Engineering and Applied Science (CEAS). Efforts include initiating, developing, managing, evaluating, and promoting comprehensive activities for prospective students, current students, faculty, and staff, and alumnae development.

CPS Strong Physics/Chemistry Program: This initiative was designed for Cincinnati Public School students who are unable to take high school physics at their school. High school students earn physics credit in 6 weeks.

Inclusive Excellence Awards: honors graduating seniors, highlights outstanding undergraduate students, recognizes exceptional faculty and staff members, and shows appreciation for an extraordinary industry partner. The annual awards banquet gives us a chance to pause, reflect, and celebrate accomplishments and positive impact.

2018 – Present

URM Graduate School Symposium: A 2-day symposium where applicants can connect with current graduate students of color, faculty and staff at The University of Cincinnati. The Diversity Recruitment Weekend will consist of a series of workshops, and panel discussions specifically designed to prepare students for the graduate admissions process as well as introduce students to STEMM graduate programs at UC. The Recruitment Weekend includes sessions on writing a successful statement for graduate school, faculty perspectives on doctoral study, and what constitutes a strong application.

Dr. Edward N. Prather Summer Bridge Program: Summer Bridge is a seven-week residential program that enhances academic preparedness for your freshman year. Program objectives: (1) Assist students in developing critical thinking skills for self-assessment in identifying their strengths and needed areas of improvement as related to their academic and professional development. (2) Build a community of learners with the goal of academic excellence by preparing students for the expectations and requirements of the engineering curriculum. (3) Facilitate student acclimation to college life for a successful transition from high school to college. (4) Introduce students to prospective co-op employers through annual field trips to GE Aviation, Johnson & Johnson's Ethicon, Inc., Procter & Gamble, and the Kroger Co.

Provide students with professional development skills and a connection to E3 alumni through interaction with industry partners.

Sophomore Leadership Scholars (SLS) Program: A 7-week residential opportunity for up to 6 students to enhance their leadership skills. Successful candidates are hired for up to 20 hours a week to be a TA for one of the science or math Summer Bridge classes. All students work with

community engagement for at least 10 hours. SLS's will participate in weekly leadership seminars that will build up to a final poster presentation as well as work hands-on with incoming Summer Bridge students with tutoring and event planning.

INTERNATIONAL/NATIONAL PRESENTATIONS and WORKSHOPS (n= 10)

Johnson, A. M. & **Gaskins, W. B**. (2024, March). Aftermath: The Impact of Multiple Pandemics on Black Male Undergraduates. American Association of Blacks in Higher Education. Las Vegas, Nevada

Johnson, A. M. & **Gaskins, W. B**. (2023, November 03). Explicitly Stating: Exploring the Usage of 'Social Justice' in Engineering Education Research Through a Critical Analysis. American Association of Colleges and Universities: Transforming STEM. Arlington, Virginia.

Johnson, A. M. & **Gaskins, W. B.** (2023, November 02). DEI is Core to STEM. Association of STEM Center Network. Arlington, Virginia.

Johnson, A. & **Gaskins,W**. "360 Intentionality: Systematizing and Incentivizing DEI for Faculty, Staff, and Students at the University of Cincinnati" Poster presented at 2023 Transforming Institutions Conference, Minneapolis, MN, June 2023

Gaskins,W & Sheth, N.B. "Culturing Biodesigners: Pedagogical Approaches to Biodesign", Abstract Presented at 2023 International Design Principles and Practices Conference, Virtual, March 2023

Gaskins, W, Wittrock, D & Avery, E "Creating an Effective Retention Program" Workshop presented at 2022 FYEE Conference, July 2022

Gaskins,W, White, D, Bankston, K "STEMulating Communities using the PEP model", Abstract Presented at 2021 Pre-College Engineering Education Conference, Virtual, June 2021

Gaskins,W & Sheth,N.B "Problem Solving through Engineering and Art", Abstract Presented at 2017 International Congress of Qualitative Inquiry, Champaign, Illinois, May 2017

Gaskins,W & Sheth,N.B "Problem Solving through Engineering and Art", Abstract Presented at 2017 OH PKAL, Columbus, Ohio, May 2017

Gaskins,W, "University of Cincinnati UC Scholars Academy: Preparing students for STEM Undergraduate Careers", Abstract Presented at 2016 OH PKAL, Columbus, Ohio, May 2016

INVITED PRESENTATIONS/KEYNOTES (n= 40 +)

2025
NSBE Annual Convention
ISpace
Women in Technology Conference
Shroder High School
TedX UCincinnati

2024
NSBE Annual Convention
Women of Color Conference
Cincinnati Country Day School

NADOHE

2023
Hughes Commencement Speaker
NSBE Annual Convention
GE Aerospace

2022
NSBE Region 4 Fall Regional Conference
WEPAN Women of Color Summit
Indiana University Purdue University Indianapolis
NSBE Region 4 Leadership Conference
AMP Conference
Ohio Council of Teachers of Mathematics
University of Cincinnati DEI Summit

2021
FIU Engineering Education Panelist
WEPAN WOC Summit Keynote
NSBE Region 4 Speaker
Midwest Biodesign Hub Speaker
Engineering Ethics Guest Lecturer
Women's City Club Keynote
URU Speaker Wall of Truth Speaker
Workforce Community Speaker
YWCA Rising Star Commencement Speaker
Consumers Energy Speaker
COMPES Leadership Conference Speaker
National Society of Black Engineers Annual Convention Speaker
My Brother's Keeper Initiative - Panelist
URU The Right to Be Inc. Featured Speaker

2020
Entrepreneurs Business Week Panelist
Biology Guest Lecture
National Society of Black Engineers Region 5 Fall Regional Conference Presenter
National Society of Black Engineers Region 4 Fall Regional Conference Presenter
KAO Racial Fatigue Speaker
Forty under 40 Panelist
KAO BLM Speaker
University Honors Program
University of Illinois Chicago College of Engineering
KAO Black History Month Speaker
FDA Black History Month Speaker
Hughes STEM High School Women's History Month Keynote Speaker

2019

Proctor and Gamble POWER Keynote Speaker
Xavier University I.C.E Girls STEM Camp

2017
International Day of the Girl STEM Panelist
University of Massachusetts Amherst, Diversity in Graduate School Speaker
University of Cincinnati Inclusive Excellence Stereotype Threat Workshop Presenter
National Society of Black Engineers Region 4 Leadership Conference
Xavier University I.C.E Girls STEM Camp
Horizon Science Academy STEM Speaker
Greenlight 4 Girls Keynote Speaker
Alpha Kappa Alpha Sorority Inc. Mid-Atlantic Regional Conference STEM Panelist
National Society of Black Engineers Annual Convention
College of Engineering Women in Engineering Panelist
University of Cincinnati WomEngineer Program Speaker

2016
Xavier University I.C.E Girls STEM Camp
General Electric Leadership Conference Keynote Speaker
Women's Alliance Youth Empowerment Conference Speaker
Black Girls Rock Keynote Speaker
Innovate for Change Panelist
Luxottica STEM Keynote Speaker
Alpha Kappa Alpha Sorority Inc. Rho Psi Chapter Keynote Speaker
Spaghetti Betty iSpace Keynote Speaker
National Society of Black Engineers Annual Convention

2015
National Society of Black Engineers Region 4 Leadership Conference
Xavier University I.C.E Girls STEM Camp
Clarkson University STEM Colloquium
National Society of Black Engineers Annual Convention
Hughes Mentoring Symposium
Boston University Black History Month Speaker
Cincinnati STEM Conference
Links STEM Academy

2014
National Society of Black Engineers Region 4 Leadership Conference
National Society of Black Engineers National Leadership Conference
University of Akron
Women in STEM Conference
Emerging Young Leaders STEM Summit
Michigan State University
National Society of Black Engineers Annual Convention
National Technical Association National Conference

TEACHING EXPERIENCE

June 2023-Present **Leadership Program Facilitator,** YWCA Rising Stars Leadership Program Greater Cincinnati.

June 2019 – Present **Instructor**, Sophomore Leadership Academy, Students will participate in leadership seminars that will build up to a final poster presentation. Sessions include: Knowledge and Perception of Self, Interpersonal Skills, Conflict Management, Communication and Information Processes, How to be an informed leader, Decision Making/Problem Solving, and Strategic Planning.

January 2019 – Present **Instructor**, BioDesign Challenge (ENED 3050), Students will expand upon the model of the Sticky Innovation course (https://www.stickyinnovation.com/) to learn and utilize similar methods and approaches to develop solutions to real world problems. Student will collaborate in multi - disciplinary teams to ideate, research, prototype, and present solutions. The winning team will represent UC and compete in the international Biodesign Challenge in NYC (https://biodesignchallenge.org/). This course incorporates a variety of art, design, science and engineered inspired inquiry and research methods including: documentary film, fiction, arts-based inquiry, scientific research, engineering design, prototyping, and reflection. Learning through making, students will gain skills in prototyping processes, including 3d modeling, 3d printing, and laser cutting. The course is a site for interdisciplinary collaboration. Students will gain experience in a variety of modes of inquiry and creation that will develop their research and problem skills and foster innovative habits of the mind.

August 2015 – Present **Instructor**, Sticky Innovation and Swarm Intelligence: Exploring the Problem of the Bees through Engineering and Art (ENED 3040), While humans are reliant on bees for pollinating essential food crops the worldwide emergence of colony collapse disorder threatens the vitality of the honeybee population. In this course students will learn multiple approaches to inquiry to consider this “wicked problem” of contemporary times. This course incorporates documentary film, fiction, arts-based inquiry, scientific research, and multiple modes of reflection to design creative solutions to the problem with the bees. The course will seek to enhance interdisciplinary collaboration, foster discussion and investigate the links that connect artistic and scientific disciplines. Integrating engineering and art, students will gain experience in a variety of modes of inquiry that will develop creative research approaches, problem solving skills and innovative habits of the mind.
www.stickyinnovation.com

Aug. 2014 – Present **Coordinator**, Cincinnati STEMulates, The Gaskins Foundation is a non-profit organization that provides extraordinary opportunities for under recognized and under-represented youth. STEMulates is a community-centered program, designed to increase the number of engineers and applied scientists in the Cincinnati area over the next 20 years

Aug. 2013 – Present **Instructor**, Cooperative Calculus 1 and 2 (ENFD 1061/ENFD 1062), This course will provide a thorough introduction to differential calculus and an introduction to integral calculus. You will learn both to apply calculus and how the material itself is developed. While being able to perform computations and solve problems will be essential, you will also learn to construct arguments and proofs to justify the theorems and their consequences.

June 2013 – Present **Instructor**, Calculus (summer bridge), For students in engineering and science. Topics covered include functions, limits and continuity, differentiation, applications of the derivative, optimization, antiderivatives, fundamental theorem of calculus, definite and indefinite integrals.

Jan. 2016 – May 2016 **Instructor**, Learning Theories in Engineering Education (ENED 7002), The purpose of this class is to explore historical and contemporary learning theories and how they impact the learning

and delivery of engineering content. The course will culminate in a project requiring the participants to develop and deliver a complete lesson on a topic of their choosing, incorporating the ideas discussed in class.

Jan. 2015 – Jan. 2018 **Instructor**, Engineering Models II (ENED 1091), Basic MATLAB programming as a tool for exploring engineering applications, to investigate solutions to problems too complex for hand solution, and to develop an appreciation of the power and limitations of digital computation. Applications chosen from a variety of disciplines. Special attention will be given to graphical visualization of concepts and to numerical approximation techniques.

Jan. 2015 – Jan. 2018 **Instructor**, Engineering Models I (ENED 1090), Basic MATLAB programming as a tool for exploring engineering applications, to investigate solutions to problems too complex for hand solution, and to develop an appreciation of the power and limitations of digital computation. Applications chosen from a variety of disciplines. Special attention will be given to graphical visualization of concepts and to numerical approximation techniques.

Aug. 2014- Jan. 2018 **Instructor**, Engineering Foundations (ENED 1020), Engineering Foundations will serve as an introduction to all fields of engineering. The course will include lectures as well as "hands-on" experimental modules that will enable students to explore mechanical, chemical, and electrical systems, including bridges, fuel cells, and electronic communications and signal processing applications. Students will also receive training in engineering ethics and in professional skills such as communication, teamwork, problem-solving, and synthesis

June 2013 – Aug. 2015 **Instructor/Course Coordinator**, CEEMS Preparing Future Faculty, this is a course for teachers designed to develop good problem-solving techniques and to illustrate how engineers use mathematics to solve a variety of practical and often complex problems. The course will closely track and directly apply fundamental theory from algebra, trigonometry, and calculus to relevant engineering applications chosen from a variety of disciplines. MATLAB® will be introduced and progressively developed as a programming tool to enable students to explore engineering concepts, to investigate solutions to problems too complex for hand solutions, and to develop an appreciation of the power and limitations of computer tools. Special attention will be given to graphical visualization of concepts and to numerical approximation techniques and the errors associated with approximations.

May 2013 – Dec. 2013 **Instructor**, Basic Electric Circuits, Analysis of linear networks, AC and DC electric circuits that involve multiple independent sources, using Ohm's Law, Kirchhoff's voltage and current laws, Thevenin's and Norton's theorems, and the maximum power transfer theorem. Also explored, is the steady state and transient behavior of capacitors and inductors. Applications to mechanical measurements.

APPLIED EXPERIENCE

June 2010 - May 2015 **Engineer**, Toyota, Quality Engineering (Warranty Admin) Erlanger, KY

- Developed a new method to forecast potential vehicle part problems using probability and statistics, which resulted in forecasting 15% of vehicle part defects for FY13
- Applied quantitative modeling techniques, including probability and statistics to the solution of business problems
- Created and maintained company quality operational procedures, such as quality manuals and quality standards
- Applied quantitative modeling techniques, including probability, statistics, optimization, and simulation, to the solution of business problems, which led to kaizening all of the Quality division’s quantitative standards

- Designed cross-functional solutions for business problems, using standard and advanced business analytics technologies and software
- Utilized the 5-step problem solving methodology (TBP) to implement countermeasures into daily quality check procedures
- Designed, programmed and implemented the North American Quality tracking system for all defective vehicle parts
- Coordinated, tracked and managed quality supplier support assessments onsite at the TMMTX manufacturing plant
- Train and coach Quality team members on new standards for the business analytics technology software

August 2006 – January 2011

Marketing Manager, Sam's Club, Cincinnati, Ohio

- Seek out new business opportunities to help small business owners and increase traffic for Sam's Club
- Manage relationships with current and upcoming business owners
- Manage member service provided on the club level
- Chair community outreach and sustainability projects for Cincinnati Market

Asset Protection Manager

- Reviewed, ensured and verified compliance with all GFSA, EPA, FDA, HIPPA and OSHA guidelines
- Collaborated with audit team to reduce shrink from 0.18 to 0.17, a 5% decrease
- Assisted fresh managers and team in reducing damages YTD from 10.74 to 5.15, a 50% decrease
- Conducted investigations of theft and loss and made various recommendations for corrective actions

Marketing Team Leader

- Helped increase membership income monthly by six percent
- Managed a staff of twelve people to ensure excellent member service and customer experiences
- Developed long-lasting partnerships with local businesses
- Chaired committee which brought awareness to local community projects and resulted in donations to breast cancer awareness ($2000) and children's miracle network ($20,000)

Lead Supervisor

- Conducted hiring and training of all member service representatives
- Helped increase workforce productivity by 12 percent thus decreasing our operating budget
- Supervised, assessed and evaluated 40 employees' performance

STUDENT MENTORSHIP

Undergraduate

Noah Torlop
Maricela Manzanares
Kendal Phillips
Caiya Whiltshire
Jordan Wilson
Kalib Haynesworth
Gabriela Parilla Infanzon
Linh Bui
Samuel Effah-Abrefah
John "Alex" Davenport

Brando Vasquez Rodriguez

Graduate

Samuel Burbanks
Meghan Berger
Kate Rice
Kalesha Jenkins
Keri Eason
Chiebuka Egwuonwu (OSU)
Jutshi Agarwal
Gibin Raju
Shelana Martin
Samieh Askarian
Elizabeth Meintel
Mark Onyango

Theses and Dissertation

Yvette Wisher – "Exploring Minority Engineering Program Staff Members' Experiences with Racism" (2019)

SERVICE

Reviewing

NSF Reviewer, 2021
NSF Reviewer, 2020
Book Proposal Reviewer, *Emerald Publishing* 2020
Conference Reviewer, *ASEE* 2020
Conference Reviewer, *ASEE* 2019
NSF Reviewer, 2018
Conference Reviewer, *ASEE* 2017
Conference Reviewer, *ASEE* 2015
Conference Reviewer, *ASEE*, NCS 2015
Conference Reviewer, *Mentoring Conference* 2014
Conference Reviewer, *ASEE* 2012

Professional Service

Equity Council for Carpentries – Alfred P. Sloan Foundation
    Member, 2021 - present
Ohio Department of Education - Transfer Module Committee
    Co- chair for Diversity, Equity and Inclusion, present
Ohio Department of Education - Transfer Module Committee
    Convener for Diversity, Equity and Inclusion, 2020
National Society of Black Engineers (NSBE)
    Region IV Advisory Board Chair, 2017 - present
    Region IV Advisor, 2015
    National Conference Planning Chair, 2013
    National Business Diversity Chair, 2008- 2010
    Region IV Academic Excellence Chair, 2007

Region IV Secretary, 2005-2006
National Association of Multi-cultural Program Advocates (NAMEPA)
National President, 2023 – present
National President-Elect, 2021– 2023
National Treasurer, 2018
National Programs, 2017

University-Level Service

Cancer Research Training and Education Coordination Group
Member 2022 - present
Midwest Biodesign Hub
Chair 2020
AVP Admissions Search Committee,
Chair 2020
Honors Program Course Selection Committee, 2020 - present
Service Learning Engineering Liaison, 2019- present
Darwin T Turner Scholarship Selection Committee Member, 2018 - present
Black Faculty Association Executive Committee Member, 2018 - present
Breadth of Knowledge Diversity Equity Committee Chair, 2018 - present
Diversity Resource Liaison, 2016 - present
University Press Board, 2017 – present
University of Cincinnati Scholars Program 2015 - present

College-Level Service

C-Ring Selection Committee, present
Service-Learning Committee, 2019 - present
CEAS Diversity, Equity, and Inclusion Council, 2014-present
CEAS ASSET Committee, 2015 - 2018

Department-Level Service

Engineering Education Dept. Head reappointment Committee, 2020
Engineering Education Graduate Curriculum Committee, 2017
Engineering Education Faculty Search Committee, 2017
Engineering Education Dept. Head Search Committee, 2016

Community Service

DePaul Christo Rey
Board Member, 2021 - present
Cincinnati Museum Center
Board Member, 2021 - present
Citizens of the World Charter School
Board Member, 2021 - present
Cincinnati Arts and Technology Studio
Board Member, 2019 - 2021
Jack and Jill Inc.
MWJJ Outstanding Senior Judge

The Gaskins Foundation, 2009 - present

Algebra by 7th Grade 2018 - present

Cincinnati STEMulates 2013- present

Alpha Kappa Alpha Sorority, Inc., 2005-present

President, Sigma Omega Chapter, 2016-2017

Vice-President, Sigma Omega Chapter, 2014-2015

Parliamentarian, Sigma Omega Chapter 2013

Secretary, Sigma Omega Chapter, 2011-2012

President, Omicron Chapter, 2006-2007

Vice President, Omicron Chapter, 2005

Links Inc., 2016 - present

Vice President, Queen City (OH) chapter, 2019 - 2023

AWARDS AND HONORS

February 2026 UC Top 25% Sponsored Awards FY25, University of Cincinnati

February 2026 NASEM TAC Network of Scholars, National Academies of Sciences, Engineering, and Medicine

September 2025 Sandbox Fellow, Simons Foundation

2025 Research Rainmaker, University of Cincinnati

February 2023 **Bronze,** Anthem Awards, The Webby Awards, New York, New York

December 2022 **Women Who Mean Business,** Cincinnati Business Courier, Cincinnati, Ohio

May 2022 **Leader in Engineering Education Award**, WEPAN, Washington D.C

Bevlee Watford Inclusive Excellence Award, WEPAN, Washington D.C

November 2021 **CLIMB Award**, Cincinnati Business Courier, Cincinnati, Ohio

October 2021 **Social Impact Award**, DisruptionNow, Cincinnati, Ohio

April 2021 **BVBJ Fellow**, Black Voices for Black Justice 2021

Career Woman of Achievement, YWCA, Cincinnati, Ohio

June 2020 **Best Paper**, Community Engagement Division, ASEE 2020 Virtual Conference

April 2020 **Affirmed**, Cincinnati Urban League, Cincinnati, Ohio.

April 2020 **Marian Spencer Equity Ambassador Award – Staff Winner**, University of Cincinnati, Cincinnati, Ohio.

April 2020 **Marian Spencer Equity Ambassador Award – Organization Winner**, University of Cincinnati, Cincinnati, Ohio.

September 2020 **Forty under 40**, Cincinnati Business Courier, Cincinnati, Ohio

April 2019 **Dr. Terry Kershaw Legacy and Social Justice Award**, University of Cincinnati Black Faculty Association, Cincinnati, Ohio.

April 2019 **Excellence in Teaching Award,** University Honors Program, University of Cincinnati, Cincinnati, Ohio.

January 2019 **Greater Cincinnati Black History Maker**, Cincinnati Regional Chamber, Cincinnati, Ohio

Marian Spencer Trailblazer Award, The Lambda Society, Cincinnati, Ohio

April 2018 **Women of Color Trailblazer Award** (CONCED), Crystal City, Virginia

September 2017 **K-12 Champion** (NAMEPA)

CERTIFICATIONS / LEADERSHIP TRAINING

November 2022 Leadership Ohio Fellow

October 2022 HERS Equity – Minded Leadership Fellow

November 2020 Certified Parliamentarian

August 2020 iAspire Fellow

June 2019	Scott Hawkins Fellow
August 2017	Certified Diversity Professional
May 2017	Non- Profit Board Certified
May 2017	Gallup Strengths Coach
July 2016	Integrated Math and Science Teacher License #OH3265986
June 2012	GEECS Fellow

PROFESSIONAL ASSOCIATION MEMBERSHIPS

National Society of Black Engineers
American Society of Engineering Education
American Educational Research Association
National Association of Parliamentarians

VIDEOS/MEDIA

The Power of Persistence- Dr. Whitney Gaskins, TEDx UCincinnati (2025)
https://www.youtube.com/watch?v=X7wW6iF7iQM

Princess of STEM Diaries – Dr. Whitney Gaskins- 2024-present Princess of STEM Diaries Episode1: Engineering Excellence

Mastering Engineering Leadership- Angelique Adams- "From Shop Class to STEM Changemaker through a Season of Yes with Dr. Whitney Gaskins" 2025 https://podcasts.apple.com/us/podcast/mel-017-from-shop-class-to-stem-changemaker-through/id1786241452?i=1000704297286

Stories of Impact - Empowering Parents in Community Churches (EPICC)
https://vimeo.com/727495446

Dr. Whitney Gaskins 2021 Career Woman of Achievement -https://www.youtube.com/watch?v=iGw8tGwkHnU

Dr. Whitney Gaskins – Math ABC's –
https://www.youtube.com/watch?v=RhcPvpo2j7I

Making Black History: Dr. Whitney Gaskins - https://www.youtube.com/watch?v=_QC2PMeh6xk

Assistant Dean of Inclusive Excellence & Community Engagement Dr. Whitney Gaskins took a winding path to become the educator she was always meant to be
https://www.youtube.com/watch?v=MfV2hc4Qdso

International Day of the Girl 2017 - Dr. Whitney Gaskins - https://www.youtube.com/watch?v=WFDwHJgRsJU

I Am Black History - Dr. Whitney Gaskins
https://www.youtube.com/watch?v=pnN5KUsN0IM

BTR Bites | A Conversation with Whitney Gaskins - https://www.youtube.com/watch?v=BMttoKeAJn8

Midwest Biodesign Hub -
https://uc.mediaspace.kaltura.com/media/Midwest+BioDesign+Hub+Launch+%28edited%29/1_6ouuie9x