

# Erik B. Larson

## Curriculum Vitae

June 9, 2026

Pronouns: He/Him/His

### Personal Contact Information

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### Professional Contact Information

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Portsmouth, OH 45662  
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## EDUCATION:

### Ph.D. Earth and Atmospheric Sciences

August 2010 – May 2014

Dissertation: *Bahamian Quaternary geology and the global carbon budget*

Advisor: John E. Mylroie

Mississippi State University

Starkville, Mississippi

### B.S. Environmental Analysis

August 2006 – May 2010

Thesis: *Paleoenvironmental change of Unity Pond, Waldo County, Maine*

Advisors: Kevin M. Spigler and Lois K. Ongley

Unity College

Unity, Maine

## PROFESSIONAL EXPERIENCE:

*Professor of Geology (August 2025 – Present)*

*Associate Professor of Geology (August 2020 – August 2025)*

*Assistant Professor of Geology (August 2014 – May 2016 and August 2017 – August 2020)*

*Department of Natural Sciences, Shawnee State University, Portsmouth, OH 45662 (Blackboard LMS)*

### *Courses Developed and Taught:*

GEOL 1201 – Physical Geology and the Human Environment

GEOL 1202 – Historical Geology

GEOL 1350 – Planet Earth

GEOL 1401 – Climate Change

GEOL 2204 – Sedimentary Rocks and Stratigraphy

GEOL 2501 – Soil Science

GEOL 3100 – Field Studies in Regional Geology

GEOL 4212 – Advanced Geologic Mapping

GEOL 4310 – Geomorphology

GEOL 4311 – Surface and Groundwater Hydrology

GEOL 4420 / NTSC 2420 – Introduction to Geographic Information Systems

GEOL 4421 / NTSC 4421 – Advanced Application in Geographic Information Systems

### *Significant Administrative and Leadership Roles:*

President of the University Faculty Senate (May 2026 – Present)

Director of Distance Learning Committee (August 2023 – May 2026)

Faculty Director of the E-Campus (March 2023 – May 2025)

Director of Celebration of Scholarship (August 2019 – May 2022; October 2024 – May 2025)

Interim Director of Upward Bound Math Science (June 2024 – July 2024)

Director of the General Education Program (August 2022 – April 2023)

Vice President of the University Faculty Senate (August 2021 – August 2022)

Chair of Educational Policies and Curriculum Committee (August 2021 – August 2022)

*Adjunct Instructor of Environmental Sciences (March 2022 – Present)*

*Distance Education, Husson University, Bangor, ME 04401 (Canvas LMS)*

### *Course Developed and Taught:*

BR 113 – Climate Change: Science and Society

*Lecturer III of Natural Sciences (August 2022 – Present)*

*Distance Education, University of Maine at Augusta, Augusta, ME 04330 (Brightspace LMS)*

*Courses Developed and Taught:*

GEY 101 – Physical Geology  
SCI 110 – Environmental Science

*Adjunct Instructor of Earth Sciences (August 2018 – October 2025)*

*Distance Education, Unity Environmental University, New Gloucester, ME 04260 (Canvas LMS)*

*Courses Developed and Taught:*

ENVS 201 – The Warming Planet: Understanding Climate Change  
ESCI 605 – Water and Soil Resource Management  
SUST 510 – Climate Dynamics

*Courses Taught:*

ESCI 505 – Carbon Cycling and Climate Change  
ESCI 507 – Biogeochemistry  
EVPC 201 – Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation  
PROF 590 – Capstone I  
PROF 690 – Capstone II  
SNRM 510 – Landscape Ecology  
SUST 520 – Community Planning for Resiliency

*Instructor (Summers 2018, 2019, 2020, 2022, 2023, 2024, 2025, 2026)*

*Upward Bound: Math and Science, Shawnee State University, Portsmouth, OH 45662*

Taught introductory geology; hydrology; mapping; climate change; field methods; planetary geology; meteorology to high school students

Organized and led geology field trips for students in southern Ohio and central California  
Chaperoned student day and multi-day trips

*Assistant Professor of Earth Science (August 2016 – May 2017)*

*Department of Physics and Earth Science, Moravian College, Bethlehem, PA 18018*

*Courses Developed and Taught:*

EASC 110 – Introductory Geology  
EASC 120 – Introductory Meteorology  
EASC 192 – Earth System Climatology  
EASC 291 – Surface and Groundwater Hydrology

*Teaching Assistant (Summer 2014)*

*Department of Geology and Geophysics, Louisiana State University, Baton Rouge, LA 70803*

*Freshman Field Camp Teaching Assistant (Colorado Springs, CO)*

Prepared and delivered instruction of Introduction to Geology and Historical Geology  
Co-led and co-organized multiple day and week-long field trips

*Instructor (August 2010 – May 2014)*

*Department of Geosciences, Mississippi State University, Starkville, MS 39762*

*Courses Developed and Taught:*

GG 1113/1111 – Physical Geology (lecture and lab)  
GG 1123/1121 – Historical Geology (lecture and lab)  
GG 1133 – Planetary Geology

*Teaching Assistant (August 2010 – May 2013):*

*Department of Geosciences, Mississippi State University, Starkville, MS 39762*

*Courses Graded:*

GG 3603 – Introduction to Oceanography  
GG 3613 – Water Resources  
GG 4233/6233 – Applied Geophysics  
GG 4503/6503 – Geomorphology

*Research Assistant (August 2010 – December 2013):*

*Department of Geosciences, Mississippi State University, Starkville, MS 39762*

Field mapping and modeling of megaporosity for paleokarst reservoir characterization

*GeoCorps America Program – Participant and Guest Scientist (Summers 2010 and 2011)*

*St. Ignace Ranger Station, Hiawatha National Forest, St. Ignace, MI 49781*

Research and map surficial karst expression in the forest using ArcPad and ArcGIS

Worked on identifying chert sources, archeological inventory and stream monitoring

*NSF-Research Experience for Undergraduates (REU) (Summer 2009)*

*Department of Earth Sciences, University of Minnesota Twin Cities, Minneapolis, MN 55455*

Research on karst hydrogeology in southeastern Minnesota

Use ArcGIS and LiDAR to map sinkholes in Houston County, MN

*Supplemental Instructor (August 2008 – December 2009)*

*Unity College, Unity, ME 04988*

Served as a Supplemental Instructor for Algebra and Trigonometry (MA 1123)

Sat in class, held office hours, and led group study sessions

*GIS Intern (Summer 2008)*

*New York State Department of Environmental Conservation, Avon, NY 14414*

Developed GIS products for permit jurisdiction and community outreach

*Teaching Assistant (August 2006 – May 2010)*

*Unity College, Unity, ME 04988*

Assisted, supervised, and directed General Chemistry labs (CH 1104 and CH 1114)

## PUBLICATIONS:

Note: \* indicates undergraduate student co-author / + indicates graduate student co-author

### Peer Reviewed:

- \*Assour, H.R., Renne, I.J., Larson, E.B., Diggins, T.P., Carson, W.P., 2025, Steep slopes and cliff edges are browsing refugia for woody species within temperate deciduous forests: *Natural Areas Journal*, v.45, no. 2, p. 105-113, doi: 10.3375/2162-4399-45.2.6.
- Testa, M.P., Larson, E.B., Kirkland, B.L., 2025, Calcite precipitation with palmitic and stearic acids: *Minerals*, v. 15, no. 5, doi: 10.3390/min15040361
- \*Riggs, A., \*Van Hook, M., \*Romero, P., Larson, E.B., Testa, M.P., 2025, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research: *The Professional Geologist*, v. 62, no. 1, p. 14-19.
- \*Liles, P., \*Pearson, L., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2022, GigaPan® photogrammetry for outcrop description, 3D modeling, and 3D printing: *The Compass: Earth Science Journal of Sigma Gamma Epsilon*, v. 92, no. 1, 3.
- \*Liles, P., \*Pearson, L., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2022, From outcrops to 3D models and printing: *The Professional Geologist*, v. 59, no. 2, p. 19-24.
- Larson, E.B., \*Emmons, R.V., 2021, Dissolution of carbonate rocks in a laboratory setting: Rates and textures: *Minerals*, v. 11, no. 6, 605, doi: 10.3390/min11060605.
- Sumrall, J.B., \*Gauvey, K.L., Sumrall, J.L., \*Sides, K.E. & Larson, E.B. 2020, Paleosol and cave mineralogy from Eleuthera, The Bahamas: *in* Niemi, T.M. & Sealey, K.S.: *Proceedings of the Second Joint Symposium of the Natural History and Geology of The Bahamas*, Gerace Research Centre, San Salvador, Bahamas, p. 9-17.
- Sumrall, J.B. & Larson, E.B., 2020, Outcrop and thin section scale descriptions of Silurian carbonates within the Hiawatha National Forest, Mackinac County, Upper Peninsula, Michigan, USA: *Carbonates and Evaporites*, v. 35, no. 4, 105, doi: 10.1007/s13146-020-00640-2.
- Frisbee, M.D., +Meyers, Z.P., +Miller, J.B., +Gleason, C.L., +Stewart-Maddox, N.S., Larson, E.B., Granger, D.E., Saksena, S., Dey, S. & Frisbee, E.E., 2019, Processes leading to the re-activation of a sinkhole in buried karst and the subsequent drying of waterfalls in a small catchment located in northern Indiana, USA: *Journal of Cave and Karst Studies*, v. 81, no. 2, p. 69-83, doi: 10.4311/2017ES0116.
- Larson, E.B. & Mylroie, J.E., 2018, Diffuse versus conduit flow in coastal karst aquifers: The consequences of island area and perimeter relationships: *Geosciences*, v. 8, no. 7, 268, doi: 10.3390/geosciences8070268.
- Sumrall, J.L., Clary, R.M. & Larson, E.B., 2017, Influence of geographic affiliation on student performance in online geology and meteorology courses: *Journal of Geoscience Education*, v. 65, no. 3, p. 336-345, doi: 10.5408/15-139.1.
- Sumrall, J.B., Larson, E.B. & Mylroie, J.E., 2017, Very high magnesium calcite formation and microbial communities found in porosity of the Seroe Domi formation of Curacao, Netherland Antilles: *Carbonates and Evaporites*, v. 32, no. 2, p. 123-133, doi: 10.1007/s13146-017-0352-7.
- Sumrall, J.B., Larson, E.B. & Mylroie, J.E., 2016, Caves within dolomitized sections of the Seroe Domi Formation on Curacao, Netherland Antilles: *Acta Carsologica*, v. 45, no. 1, p. 19-32, doi: 10.3986/ac.v45i1.650.

- Kambesis, P.N., Larson, E.B. & Mylroie, J.E., 2016, Morphometric analysis of cave patterns using fractal indices: *in* Feinberg, J., Gao, Y & Alexander, Jr., E.C., *Caves and Karst Across Time: Geological Society of America Special Paper 516*, p. 67-86, doi:10.1130/2016.2516(06).
- Kambesis, P.N., Mylroie, J.R., Mylroie, J.E., Larson, E.B., Owen-Nagel, A.M. & Sumrall, J.B., 2016, Influence of karst denudation on the northwest coast of Curacao: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16<sup>th</sup> Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 200-212.
- Larson, E.B., Mylroie, J.E., Albury, N., Kakuk, B. & Iliffe, T., 2016, Infilled blue holes on the Bahama banks as point sources for whiting origin: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16<sup>th</sup> Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 237-242.
- Mylroie, J.E., Kambesis, P.N., Owen, A.M., Sumrall, J.B., Larson, E.B., Mylroie, J.R. & Lace, M.J., 2016, Flank margin cave development at Cala Pi and Cala Figuera, Mallorca Island, Spain: *in* Glumac, B. & Savarese, M., eds., *Proceedings of the 16<sup>th</sup> Symposium on the Geology of the Bahamas and other Carbonate Regions*, Gerace Research Centre, San Salvador, Bahamas, p. 213-221.
- Larson, E.B. & Mylroie, J.E., 2014, A review of whiting formation in the Bahamas and new models: *Carbonates and Evaporites*, v. 29, p. 337-347, doi: 10.1007/s13146-014-0212-7
- Larson, E.B. & Mylroie, J.E., 2013, Quaternary glacial cycles: Karst processes and the global CO<sub>2</sub> budget: *Acta Carsologica*, v. 42, no. 2-3, p. 197-202, doi: 10.3986/ac.v42i2-3.661
- Alexander, S.C., Rahimi, M., Larson, E.B., Bomberger, C., Greenwaldt, B & Alexander, Jr., E.C., 2013, Combining LiDAR, aerial photography, and Pictometry® tools for karst features database management: *in*: NCKRI Symposium 2: Proceedings of the 13<sup>th</sup> Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst May 6-10, 2013: Land, L., Doctor, D.H. & Stephenson, J.B (eds.), p. 441-448.

### Non-peer Reviewed:

- \*Liles, P., \*Pearson, L., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, The challenges of using a GigaPan in field based micro- and macro-sized data collection and image processing. *Diggin' Deep* (USDA Forest Service Minerals and Geology Management Publication), issue 318, p. 9-11.

### In Preparation:

- \*Knauer, A., Huczko, J., Champagne, E., Yacucci, A., Renne, I.J., Larson, E.B., Diggins, T.P., Royo, A.A., Carson, W.P., *in preparation*, Safe spaces for plants: A systematic review of refuges from larger herbivores in forests worldwide.

## CONFERENCE ABSTRACTS PRESENTED:

Note: \* indicates undergraduate student co-author

- \*VanHook, M., \*Bieker, R., \*Kelly, T., \*Link, A., Larson, E., Testa, M., 2026, Testing Accuracy of PolyCam® LiDAR in Littoral Caves Under Low Light Conditions, Hiawatha National Forest, Upper Peninsula of Michigan. *Arkansas Academy of Science*, Southern Arkansas University, Magnolia, AR.
- \*Kelly, T., \*Bieker, R., \*VanHook, M., Larson, E., Testa, M., 2025, Investigation of Detrital Sediment Distribution and Inter-reef Currents in McKay Bay Member Knoll Reef, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 58, no. 6.
- \*VanHook, M., \*Kelly, T., \*Beiker, R., Larson, E., Testa, M., 2025, Testing Accuracy of PolyCam® LiDAR in Littoral Caves Under Low Light Conditions, Hiawatha National Forest, Upper Peninsula of Michigan. *Geological Society of America Abstracts with Programs*, vol. 58, no. 6.
- \*Davis, C., \*Lewis, R., Larson, E., Ivers, S., 2025, A comparison of baseline biodiversity among three caves at Ohio Hanging Rock Preserve. Ohio Natural History Conference; Kimbolton, OH, February 22, 2025.
- \*Kelly, T., \*Bieker, R., \*McLaughlin, K., \*Romero, P., Larson, E.B., Testa, M.P., 2025, Petrographic analysis and distribution of sediment captured in dolomitized McKay Bay Member knoll reef, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 57, no. 1.
- \*Kelly, T., \*McLaughlin, K., \*Bieker, R., Larson, E.B., Testa, M.P., 2025, Qualitative groundwater tracing in a karst aquifer, Hiawatha National Forest, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 57, no. 1.
- \*Van Hook, M., \*Romero, P., \*Kelly, A., Larson, E.B., Testa, M.P., 2025, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. *Geological Society of America Abstracts with Programs*, vol. 57, no. 1.
- \*McLaughlin, K., \*Kelly, T., Testa, M.P., Larson, E.B., 2024, Qualitative groundwater tracing in a karst aquifer, Hiawatha National Forest, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 56, no. 5.
- \*McLaughlin, K., \*Romero, P., Larson, E.B., Testa, M.P. 2024, Petrographic analysis and distribution of sediment captured in dolomitized McKay Bay Member knoll reef, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 56, no. 5.

- \*Romero, P., Flickinger, S., Larson, E.B., Testa, M.P., 2024, Identifying and mapping karst in the Hiawatha National Forest, Upper Peninsula of Michigan. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- \*Romero, P., \*Kelly, A., \*VanHook, M., Larson, E.B., Testa, M.P., 2024, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. Geological Society of America *Abstracts with Programs*, vol. 56, no. 5.
- \*Kelly, A., \*Romero, P., \*McLaughlin, K., \*Thomas, M., Larson, E., Testa, M.P., 2024, Testing the Accuracy of Polycam 3d Scanning Software on Lidar and Optical Photogrammetry Devices in Field Research. Arkansas Academy of Science, University of Arkansas at Fort Smith, Fort Smith, AR.
- \*McLaughlin, K., \*Romero, P., \*Kelly, A., Larson, E., Testa, M.P., 2024, Distribution of Detrital Sediment Captured in McKay Bay Member Knoll Reef, Upper Peninsula, Michigan. Arkansas Academy of Science, University of Arkansas at Fort Smith, Fort Smith, AR.
- \*Kelly, A., \*Romero, P., \*McLaughlin, K., \*Thomas, M., Larson, E.B. & Testa, M.P., 2023, Testing the accuracy of Polycam 3D scanning software on LiDAR and optical photogrammetry devices in field research. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- \*McLaughlin, K., \*Romero, P., \*Kelly, A., Larson, E.B. & Testa, M.P., 2023, Distribution of detrital sediment captured in McKay Bay knoll reef, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- \*Mero, E., \*Connor, L., \*McLaughlin, K., Larson, E.B. & Testa, M.P., 2023, Biostratigraphic analysis of Tabulate and Rugosa coral found in a McKay Bay member knoll reef Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 55, no. 6.
- Larson, E.B. & Testa, M.P., 2023, The karst of Mackinac County, Michigan: Where we've been and where we're going. Geological Society of America *Abstracts with Programs*, vol. 55, no. 3.
- \*Smalley, B.L. & Larson, E.B., 2023, Dissolutional micro-textures on carbonates: Current work and future opportunities. Geological Society of America *Abstracts with Programs*, vol. 55, no. 3.
- \*Smalley, B.L. & Larson, E.B., 2022, Dissolutional micro-textures on carbonate rocks in a laboratory setting. Geological Society of America *Abstracts with Programs*, vol. 54, no. 5.
- \*Combs, B. \*Dean, E., \*Sheets, E., Larson, E.B. & Minter, L., 2021, Community partnering at Greenlawn Cemetery, Portsmouth, Ohio: Tree trails for education, health, recreation, and tourism. Ohio Natural History Conference; Online Conference, February 27, 2021.
- Larson, E.B., 2020, Times on the Hiawatha National Forest: From GeoCorps participant to academic. Geological Society of America *Abstracts with Programs*, vol. 52, no. 6.
- Minter, L.M. & Larson, E.B., 2020, Beyond facilities management: Utilizing campus tree inventories for students learning exercise and public outreach through digital access. American Society of Plant Biologists Midwest Section Meeting, Abstract accepted – presentation cancelled due to COVID-19.
- Larson, E.B. & Sumrall, J.B., 2020, Karst of the eastern Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- \*Liles, P., \*Pearson, L., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, The challenges of using field collected GigaPan micro- and macro-sized images to create accurate 3D renders and models. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- \*Pearson, L., \*Liles, P., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2020, Biostratigraphic analysis of a McKay Bay Member (Bush Bay Formation) mid-Silurian knoll reef in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- \*Simpson, D.G., \*Fitzpatrick, D.B., \*Liles, P., \*Barnett, S., \*Pearson, L., Testa, M.P. & Larson, E.B., 2020, Grikes of the Hiawatha National Forest: Dissolutionally enlarged joints in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 52, no. 5. Abstract accepted – presentation cancelled due to COVID-19.
- \*Lawson, K., \*Sheets, E., \*Vaughn, D., Larson, E.B. & Minter, L., 2020, Baseline monitoring of amphibians utilizing newly created pond habitats in southern Ohio. Ohio Natural History Conference; Toledo, OH, February 29, 2020.
- Larson, E.B. & Minter, L., 2019, Developing regional arboretums: tree trails as a way to connect to Appalachia. Symposium on Appalachian Studies in the Digital Age: (Re)covering Appalachia; Portsmouth, OH, October 31 – November 2, 2019.
- \*Boyd, A.N. & Larson, E.B., 2019, Geomorphic analysis of remnant lakeshore features from digital elevation models of the eastern Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- \*Fitzpatrick D.B., \*Simpson, D.G., \*Barnett, S., \*Liles, P., \*Pearson, L., Testa, M.P. & Larson, E.B., 2019, Hydrologic testing and analysis to determine groundwater flow paths in the Hiawatha National Forest, Michigan Upper-Peninsula. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- Larson, E.B., Travis, R. & Mylroie, J.E., 2019, Improving our understanding of paleokarst reservoirs: Evaluating epigene and hypogene cave collapse. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- \*Liles, P., \*Pearson, L., \*Barnett, S., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2019, The challenges of using a GigaPan in field based micro- and macro-sized data collection and image processing. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.

- \*Pearson, L., \*Barnett, S., \*Liles, P., \*Simpson, D.G., \*Fitzpatrick, D.B., Larson, E.B. & Testa, M.P., 2019, Petrographic and biostratigraphic analysis of a McKay Bay Member (Bush Bay Formation) mid-Silurian knoll reef in Michigan's Upper Peninsula. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- \*Simpson, D.G., \*Fitzpatrick, D.B., \*Liles, P., \*Barnett, S., \*Pearson, L., Testa, M.P. & Larson, E.B., 2019, Dissolutionally enlarged joints of the eastern Upper Peninsula, Michigan: Genesis and orientation. Geological Society of America *Abstracts with Programs*, vol. 51, no. 5.
- Mylroie, J.E., Kambesis, P.N., Lace, M.J., Larson, E.B., Mylroie, J.R., Owen-Nagel, A.M. & Sumrall, J.B., 2019, Geologic Interpretation of the karst features of northern Curacao. *National Speleological Society 2019 Annual Convention (June 17-21, 2019)*, p. 84.
- \*Boyd, R.S., \*Leesburg, J.N., \*Cordle, B.A., \*Simpson, D.G., \*Emmons, R.V. & Larson, E.B., 2018, Evidence of pro-glacial lakeshores in the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- \*Emmons, R.V., Finnen, D.C. & Larson, E.B., 2018, A laboratory method for measuring carbonate dissolution rates. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- Larson, E.B. & Mylroie, J.E., 2018, Diffuse versus conduit flow in coastal karst aquifers: The consequences of island area to perimeter relationships. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- \*Leesburg, J.N., Sumrall, J.B. & Larson, E.B., 2018, Stratigraphic examination of the McKay Bay Member of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- \*Sherwood, T.C., Minter, L.M. & Larson, E.B., 2018, A GIS database of native and exotic trees/woody-shrubs using historical and modern data at Shawnee State University. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- \*Simpson, D.G., \*Emmons, R.V., \*Leesburg, J.N., \*Boyd, R.S., \*Cordle, B.A. & Larson, E.B., 2018, Dissolutional features of the Hiawatha National Forest, Upper Peninsula, Michigan. Geological Society of America *Abstracts with Programs*, vol. 50, no. 6.
- Minter, L. & Larson, E., 2018, Integrating undergraduate student projects with campus tree planning and management. Southeast Ohio Tree City and Tree Campus USA meeting, Portsmouth, OH, 4/12/18.
- \*Boyd, R., Larson, E.B. & Sumrall, J.B., 2018, Timing of expression of progradational collapse blue holes in The Bahamas: Examples from Eleuthera. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- \*Emmons, R.V., Larson, E.B. & Finnen, D.C., 2018, A new laboratory method for measuring the dissolution rates of carbonate rocks. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- \*Leesburg, J.N., Larson, E.B. & Sumrall, J.B., 2018, Petrographic analysis of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, MI. Geological Society of America *Abstracts with Programs*, vol. 50, no. 3.
- \*Gauvey, K.L., Sumrall, J.B. & Larson, E.B., 2018, Cave and paleosol mineralogy from Eleuthera, The Bahamas. Geological Society of America *Abstracts with Programs*, vol. 50, no. 1.
- Sumrall, J.B. & Larson, E.B., 2018, Geomorphic constraints using flank margin caves and remnant voids from the Caribbean. Geological Society of America *Abstracts with Programs*, vol. 50, no. 1.
- Larson, E.B., 2017, Karst at Shawnee State University: From the tropics to the boreal forests. Friends of Karst Mini-Symposium, Morgantown, WV, 11/10/17.
- Larson, E.B., 2017, Teaching groundwater hydrology principles inexpensively: Permeameters and Darcy's Law. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- \*Leesburg, J.N., Larson, E.B., \*Gauvey, K.L., Sumrall, J.B. & \*Hahn, M.S., 2017, Stratigraphic reconnaissance of the Bush Bay Formation, Engadine Group, Hiawatha National Forest, Upper Peninsula, MI. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- Sumrall, J.B., Larson, E.B., \*Burton, M.I., \*Quiroga, A., \*Vega, J., \*Gauvey, K.L. & \*Leesburg, J.N., 2017, Relationship of bedrock geology and karst features in the St. Ignace District of the Hiawatha National Forest, UP Michigan. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
- \*Gauvey, K.L., Sumrall, J.B., \*Leesburg, J.N., Larson, E.B. & \*Hahn, M.S., 2017, Stratigraphic framework of silicification in the middle Silurian carbonates of the St. Ignace District of the Hiawatha National Forest, UP Michigan. Geological Society of America *Abstracts with Programs*, vol. 49, no. 6.
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- Larson, E.B., Mylroie, J.E., Albury, N. & Kakuk, B., 2012, Infilled blue holes on the Bahama banks as point sources for whiting origin. *16<sup>th</sup> Symposium on the Geology of the Bahamas and other Carbonate Regions (June 14-18, 2012)*.

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- Mylroie, J.E., Kambesis, P.N., Owen, A.M., Sumrall, J.B., Larson, E.B., Mylroie, J.R. & Lace, M.J., 2012, Flank margin cave development at Cala Pi and Cala Figuera, Mallorca Island, Spain. *16<sup>th</sup> Symposium on the Geology of the Bahamas and other Carbonate Regions (June 14-18, 2012)*.
- Mylroie, J.E., Owen, A.M., Sumrall, J.B., Kambesis, P.N., Lace, M.J., Larson, E.B. & Mylroie, J.R., 2012, Quantitative description and coastal mapping of flank margin caves on Mallorca Island, Spain. *NSF Conference: Sea-level changes into the MIS 5: from observations to predictions (April 10-14, 2012)*.
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- Larson, E.B. & Stuntebeck, J.J., 2011, Karst features of the Hiawatha National Forest, Upper Peninsula, Michigan. *Geological Society of America Abstracts with Programs*, vol. 43, no. 5, p. 252.
- Mylroie, J.E., Mylroie, J.R., Larson, E.B., Sumrall, J., Lace, M., Infante, L., Ho, D. & Kambesis, P.N., 2011, A model for predicting the occurrence of collapse features on carbonate islands and coastlines. *Geological Society of America Abstracts with Programs*, vol. 43, no. 5, p. 286.
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- Larson, E.B., Alexander, S.C., Greene, J.A. & Alexander, Jr., E.C., 2009, Advances in sinkhole mapping: A LiDAR survey of Houston County, Minnesota. *Geological Society of America Abstracts with Programs*, vol. 41, no. 7, p. 678.
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- Spiegel, K.M. & Larson, E.B., 2009, Investigations of Wildfire Activity during periods of rapid climate change: An example from the Younger Dryas chronozone (YDC). *Association of American Geographers (AAG) Annual Meeting 2009*.
- Larson, E.B., Lewis M., Kern, C., Stuart, R.W., Bitner, C. & Ongley, L.K., 2008, Assessment of eutrophication potential, Pattee Pond, Winslow, Maine. *Maine Water Conference 2008 Spring Meeting*.
- Larson, E.B., Lewis, M., Stuart, R.W. & Ongley, L.K., 2008, Assessment of eutrophication potential, Pattee Pond, Winslow, Maine. *Maine Geological Society 2008 Spring Meeting*.
- Lewis M., Larson, E.B. & Ongley, L.K., 2008, Arsenic variability in drinking water from a domestic well, Unity, Maine. *Maine Geological Society 2008 Spring Meeting*.

## INVITED PRESENTATIONS:

- Spring 2021: Creek Run LLC Annual Workshop  
 Fall 2019: Creek Run LLC Annual Workshop  
 Fall 2018: Creek Run LLC Annual Workshop  
 Fall 2017: Creek Run LLC Annual Workshop  
 Spring 2016: Ohio University Geoscience Colloquium  
 Fall 2015: Creek Run LLC Annual Workshop  
 Spring 2014: Mississippi State University Department of Geoscience Brown Bag Lecture Series  
 Fall 2013: Creek Run LLC Annual Workshop  
 Spring 2013: Mississippi State University Department of Geoscience Brown Bag Lecture Series

## SHAWNEE STATE UNIVERSITY UNDERGRADUATE RESEARCH STUDENTS MENTORED:

- |                               |                              |
|-------------------------------|------------------------------|
| Alexandria Boyd (2019)        | Zachary Ginn (2019-2020)     |
| Rebecca Boyd (2017-2018)      | V. Peyton Hall (2015-2016)   |
| M. Isaac Burton (2015-2017)   | Seth Harris (2015)           |
| Dylan Carpenter (2015-2016)   | Jessica Leesburg (2016-2018) |
| Brittany Cordle (2017-2018)   | Samuel Rogers (2019)         |
| Ronald Emmons (2016-2017)     | C. Gabe Sheppard (2023)      |
| Brady Evans (2014-2015)       | Dakota Simpson (2018-2020)   |
| David Fitzpatrick (2019-2020) | Blake Smalley (2021-2023)    |

A. Rhiannon Wallin (2020)

## SHAWNEE STATE UNIVERSITY UNDERGRADUATE RESEARCH STUDENTS CO-MENTORED:

Brianna Combs (2020-2021), co-advisor: L. Minter  
Cameron Davis (2025), co-advisor: S. Ivers  
Emily Dean (2020-2021), co-advisor: L. Minter  
Logan Gleichauf (2018-2020), co-advisor: D. Jones  
Wesley Jones (2024), co-advisor: D. Jones  
Kaitlyn Lawson (2019-2020), co-advisor: L. Minter  
Reagan Lewis (2025), co-advisor: S. Ivers  
Mekenzie Loper (2023-2024), co-advisor: D. Jones

Sara Miller (2019-2020), co-advisor: D. Jones  
Michael Rife (2023), co-advisor: D. Jones  
Emily Sheets (2019-2020), co-advisor: L. Minter  
Tyler Sherwood (2018-2019), co-advisor: L. Minter  
Dakota Vaughn (2019-2020), co-advisor: L. Minter  
Abigail Winters (2026), co-advisor: N. Mull  
Kenzie Zaph (2020), co-advisor: L. Minter

## EXTERNAL UNDERGRADUATE RESEARCH STUDENTS CO-MENTORED:

Samantha Barnett (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Ross Bieker (2025-Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Kaitlyn Gauvey (2015-2018) – Fort Hays State University, co-advisor: J. Sumrall  
Abby Kelly (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Tucker Kelly (2024 – 2026) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Connor Letty (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Preston Liles (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Emily Mero (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Kaleb McLaughlin (2023-2025) – University of Arkansas – Fort Smith, co-advisor: M. Testa

Logan Pearson (2019-2021) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Mallory Ramos (2015-2016) – Sam Houston State University, co-advisor: J. Sumrall  
Perla Romero (2023-2025) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Allison Quiroga (2015-2017) – Sam Houston State University, co-advisor: J. Sumrall  
Kristin Sides (2015-2016) – Sam Houston State University, co-advisor: J. Sumrall  
Mariah Thomas (2023-2024) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Matt VanHook (2024 – Present) – University of Arkansas – Fort Smith, co-advisor: M. Testa  
Jordan Vega (2015-2017) – Sam Houston State University, co-advisor: J. Sumrall

## UNDERGRADUATE RESEARCH STUDENT PRESENTATIONS ON-CAMPUS:

Spring 2026: Celebration of Scholarship – 1 Oral (Winters)  
Spring 2025: Celebration of Scholarship – 1 Poster (Davis and Lewis)  
Spring 2024: Celebration of Scholarship – 1 Oral (Jones and Loper)  
Fall 2023: Department of Natural Sciences Research Day – 1 Oral (Sheppard)  
Spring 2023: Celebration of Scholarship – 1 Poster (Smalley)  
Fall 2022: Department of Natural Sciences Research Day – 1 Poster (Smalley)  
Spring 2022: Celebration of Scholarship – 1 Oral (Smalley)  
Fall 2021: Department of Natural Sciences Research Day – 1 Oral (Smalley)  
Fall 2019: Department of Natural Sciences Research Day – 2 Oral (Ginn, and Rogers), 3 Posters (A. Boyd, Fitzpatrick, and Simpson)  
Spring 2019: Celebration of Scholarship – 2 Oral (Sherwood, and Fitzpatrick and Simpson)  
Fall 2018: Department of Natural Sciences Research Day – 3 Posters (R. Boyd, Sherwood, and Simpson)  
Spring 2018: Celebration of Scholarship – 2 Posters (R. Boyd, and Leesburg), 2 Oral (Cordle, and Emmons)  
Fall 2017: Department of Natural Sciences Research Day – 2 Oral (Emmons, and Leesburg)  
Spring 2016: Celebration of Scholarship – 2 Oral (Burton and Carpenter, Leesburg and Hall)  
Fall 2015: Department of Natural Sciences Research Day – 1 Oral (Burton)  
Spring 2015: Celebration of Scholarship – 1 Poster (Burton and Harris), 1 Oral (Evans)  
Fall 2014: Department of Natural Sciences Research Day – 1 Oral (Evans)

## SELECTED TRAININGS:

2026: Blackboard Ultra Trainings: All About Assessments / Grading in Ultra / AI Design Assistant / Getting Started with Ally

2026: Practical Applications for Universal Design for Learning (online training with the Online Learning Consortium)  
 2026: Academic Leadership Development and Culture Building Workshop (facilitated through Academic Impressions)  
 2025: Digital Accessibility: Developing a Strategic Plan (online training with the Online Learning Consortium)  
 2025: Accessible Course Design Using WCAG (online training with the Online Learning Consortium)  
 2025: Online Labs and Clinical Experiences (online training with the Online Learning Consortium)  
 2025: Generative Artificial Intelligence Fundamentals (online training with Husson University)  
 2025: ADA and Digital Accessibility (online training with the Online Learning Consortium)  
 2023: Assessment Workshops (Program Assessment Techniques; Qualitative Assessment)  
 2022: Assessment Workshops (Assessment Roundtable; Classroom Assessment Techniques; Program Assessment Techniques)  
 2022: Safe Zone Training  
 2022: Green Zone Training (Military Friendly Training)  
 2021: Teaching Online Certificate (online certificate through Quality Matters)  
 2021: Assessment Workshops (Learning Outcomes; Simplify Your Assessment Plan)  
 2021: Higher Learning Commission Assessment Academy  
 2020: Assessment Workshops (Co-curricular Assessment; Institutional Accreditation and Assessment; Qualitative Methods for Assessment; Grade Contracts and Alternatives to Traditional Grades)  
 2020: Foundations of Online Course Design (online training with The Learning House / Wiley)  
 2019: Foundations of Online Course Delivery (online training with The Learning House / Wiley)  
 2019: Green Zone Training (Military Friendly Training)  
 2019: Assessment Trainings and Workshops (I, II, and III)  
 2019: Creating Safe(r) Spaces for the LGBTQ+ Community  
 2019: Creating LGBTQI Safe and Affirming Campus Environments  
 2019: Inclusivity Training 2.0 and 3.0  
 2018: Migrating from ArcMap to ArcGIS Pro (16-hour online class taught by ESRI)  
 2018: Inclusivity Training 1.0  
 2018: Veterans on Campus  
 2015: Workshop for Early Career Geoscience Faculty (weeklong workshop run by SERC, NAGT and NSF)

## FUNDS REQUESTED (AND RECEIVED):

2026: \$2,500 (Pending) SSU Faculty Enrichment Fund – support for travel to GSA meeting  
 2026: \$800 (\$800) Provost Travel Fund – travel support for research  
 2025: \$500 (\$500) Provost Travel Fund – travel support for conference  
 2025: \$1,910.62 (\$2,066.08.) DNS Travel Fund – travel support for research  
 2024: \$1,254.10 (\$1,254.10) DNS Travel Fund – travel support for research  
 2024: \$381.70 (\$936.56) DNS Travel Fund – travel support for research  
 2024: \$2,500 (\$2,500) SSU Faculty Enrichment Fund – support for travel to GSA meeting  
 2023: \$775.80 (\$775.80) DNS Travel Fund – travel support for conference  
 2023: \$6,000 (\$0) Institutional Course Fee Account – meteorology equipment for GEOL 1350  
 2023: \$1,032.29 (\$700) DNS Travel Fund – travel support for research  
 2023: \$1,229.66 (\$820) Schirman Travel Fund (CAS Dean) –support for student travel to regional GSA meeting  
 2022: \$1,628 (\$0) SSU Faculty Enrichment Fund – support for travel to regional GSA meeting  
 2022: \$500 (\$1,000) Schirman Travel Fund (CAS Dean) –support for student travel to GSA meeting  
 2022: \$2,500 (\$2,500) SSU Faculty Enrichment Fund – support for travel to GSA meeting  
 2021: \$2,500 (\$0) SSU Development Foundation – with co-PI K. Inman – on behalf of the DNS to support health and safety initiatives for the lab and field settings  
 2021: \$3,300 (\$3,300) SSU Development Foundation – with co-PI’s J. Pauley & M. Cram – on behalf of the CAS Recruitment Committee to support college-wide recruitment efforts  
 2021: \$3,000 (\$3,000) President’s Internal Research Program – with co-PI S. Ivers– investigation of microplastics in southern Ohio  
 2021: \$500 (\$500) DNS Travel Fund – travel support for GSA meeting and travel for research  
 2020: \$5,000 (\$0) Foundation of Appalachian Ohio – with co-PI L. Minter –tree trails and outreach in the community  
 2020: \$535 (\$535) DNS Travel Fund – travel support for GSA meeting  
 2020: \$2,500 (\$0) SSU Development Foundation – with co-PI R. Milliken – development of meta-majors for the College of Arts and Sciences  
 2020: \$2,500 (\$0) SSU Development Foundation – with co-PI’s K. Inman and L. Minter – on behalf of the DNS Recruitment Committee to support student learning community and departmental research efforts  
 2020: \$10,100 (\$10,100) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project  
 2019: \$10,100 (\$0) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project  
 2019: \$325 (\$325) DNS Travel Fund – travel support for GSA meeting  
 2019: \$10,890 (\$0) Scioto Foundation – with co-PI L. Minter – community tree trail mapping project

2019: \$2,500 (\$1,750) SSU Development Foundation – with co-PI's K. Inman and L. Minter – on behalf of the DNS Recruitment Committee to support student learning community and departmental research efforts

2019: \$2,500 (\$1,750) SSU Development Foundation – with co-PI's R. Milliken and M. Orlando – on behalf of the CAS Recruitment Committee to support college-wide recruitment efforts

2019: \$500 (\$500) Ohio Biological Survey – with co-PI L. Minter – pond monitoring start-up funds

2019: \$375 (\$375) DNS Travel Fund – support for research travel

2018: \$2,500 (\$1,000) SSU Development Foundation – on behalf of the DNS Recruitment Committee to support recruitment efforts

2018: \$2,000 (\$2,000) SSU Faculty Enrichment Fund – support for travel to GSA meeting

2017: \$350 (\$350) DNS Travel Fund – travel support for GSA meeting

2017: \$2,000 (\$2,000) Shawnee State Research Fund – advised student grant submission for research

2017: \$500 (\$800) Schirman Travel Fund (CAS Dean) –support for student travel to GSA

2017: \$600 (\$600) CAS Deans Travel Fund – support for student travel to GSA

2016: \$500 (\$500) DNS Travel Fund – travel support for GSA meeting

2015: \$1,000 (\$1,000) SSU Development Foundation – travel support for GEOL 4310 field trip

2015: \$2,000 (\$2,000) SSU Faculty Enrichment Fund – travel support for GSA meeting

## SERVICE ACTIVITIES:

### Major and Continuous Activities:

#### University Faculty Senate

##### President (May 2026 – Present)

- Develop committee agendas, meeting materials, and chair UFS
- Serve as spokesperson for all UFS matters
- Sign official documents, approve proposals, and forward recommendations to the Administration
- Represent the faculty at Ohio Faculty Council
- Represent faculty interests to the Board of Trustees
- Represent faculty interests on the Academic Resource Management Committee

##### Vice-President (May 2021 – Sept 2022)

- Represented the university at Ohio Faculty Council
- Represented faculty interests on the Academic Resource Management Committee
- Chaired committee to revise faculty senate Constitution and Bylaws
- Introduced a resolution on Free Speech and Divisive Concepts which was adopted

##### Department of Natural Sciences Representative (Jan 2025 – May 2026)

- Represent Department interests to the Faculty Senate and report on actions

#### University Faculty Senate Executive Committee

##### Chair (May 2026 – Present)

- Coordinate business of UFS
- Oversee staffing and appointment of representatives to UFS and University-wide committees
- Regularly meet with Administration to discuss faculty interests

#### Ohio Transfer 36, Natural Sciences Review Panel

##### Institutional Representative (Aug 2021 – Present)

- Review natural science courses submitted to Ohio Transfer 36 and make recommendations on their inclusion

#### Campus Tree Committee

##### Faculty Representative (Aug 2018 – Present)

- Make decisions about tree plantings and maintenance on campus
- Compile / submit application materials and liaison with Arbor Day Foundation for Tree Campus Designation

#### Department of Natural Sciences Research Award Committee

##### Discipline Representative (Aug 2019 – Present; Chair Aug 2019 – Present)

- Developed criteria for award
- Evaluate yearly submissions

#### Distance Learning Committee

##### Director of Distance Learning (Aug 2023 – May 2026)

- Oversee all curricular proposals related to online learning that are not managed through OPM
- Develop committee agendas, meeting materials, and chair meetings
- Worked with faculty and administration on proposal submission and approval process

Created, updated, and maintained guidance documents, policies, example Blackboard site, and templates

## E-Campus

Faculty Director (March 2023 – May 2025)

Liaison with Online Program Manager (OPM), Risepoint (formerly Wiley University Services)

Coordinate communication between faculty, staff, administration and OPM

Schedule development, course development and refresh, recruitment, advising

Ensure compliance with contractual obligations

Evaluate future opportunities

Work on OPM Transition Committees

Online Programming

Lead consultation for design, development, implementation, and evaluation of E-campus projects, programs, and initiatives

Encourage best practices in online delivery and design

Provide professional development opportunities to faculty

Ensure compliance and submit reports to NC-SARA (National Council for State Authorization Reciprocity Agreements)

Developed comprehensive list of all online offerings; responsible faculty; expiration dates

## General Education Program

Director (Aug 2022 – April 2023)

Oversee all curricular proposals related to general education

Preside over General Education Advisory Council

Develop committee agendas, meeting materials, and chair meetings

Evaluate transfer credits and course substitutions for general education courses

Liaise with the Ohio Department of Higher Education on Ohio Transfer 36

Ensure institutional compliance with Ohio Transfer 36

Oversaw realignment of General Education Program to Ohio Transfer 36

Institutional coordinator for ODHE's Course Equivalency Management System (CEMS)

Serve on ODHE and OATN's General Education Mapping Project committee

Aid in learning outcomes and assessment plan revisions for Fine Arts and Literature categories

Revise and update policy and procedures for Transfer credit

Continual update of program webpage and catalog

Updated committee bylaws

Digitized old catalogs and quarter to semester conversion documents to aid in advising

General Education Assessment Fellow (Aug 2021 – Aug 2022)

Developed overarching assessment plan for entire General Education Program

Revised learning outcomes and developed assessment plan for Natural Sciences Category

Revised learning outcomes and developed assessment plan for Quantitative Reasoning Category

Collected and analyzed assessment data from Natural Sciences Category

General Education Advisory Council – Department Representative (Aug 2019 – May 2022)

Deliberated and voted on curricular proposals related to the General Education Program

Higher Learning Commission – Assessment Academy (Aug 2021 – Aug 2023)

Work with a team of faculty and administrators to improve overall general education assessment

Natural Sciences General Education Committee (Aug 2019 – Aug 2024; Chair: Aug 2019 – Sept 2022)

Ensure all courses are collecting assessment data

Scored department assessment data

## Celebration of Scholarship Committee

Faculty Representative (Aug 2014 – May 2016 and Aug 2019 – May 2023 and Oct 2024 – May 2025 and Feb 2026 – Present); Chair: Aug 2019 – May 2022 and Oct 2024 – May 2025)

Organized and chaired institutional research conference

Successfully managed \$10,000 yearly budget

Implemented use of the Digital Commons (BePress) for abstract and video submissions

Implemented successful launch of first hybrid conference

Implemented first assessment plan for the event; collected and reported on results

Updated and maintained webpages for the event

## Upward Bound Math Science

Interim Director (June 2024 – July 2024)

- Run and manage five (5) week summer residential program for 39 high school aged students
- Organize and supervise a week-long trip with 26 high school aged students to New York City
- Supervise a Program Assistant and six (6) Residential Advisors
- Make budgetary decisions and reconcile expense reports
- Organized community service projects for participants
- Chaired search committee for new director

#### Dual Enrollment Supervisor

- Faculty Supervisor of GEOL 1350 Offering at Piketon High School (Aug 2020 – May 2022)
- Oversaw delivery of college course in the high school
- Worked with the teacher on improvement plans

#### Assessment and Accreditation Committee

- College Representative (Oct 2022 – May 2026)
- Review and provide feedback on curricular and co-curricular assessment plans across campus

#### Geology Program (Program Closed in 2025)

- Geology Program Review (Aug 2018 – May 2020)
  - Co-chaired program review committee, prepared over half of self-study document
- BS Geology Creation (Aug 2018 – Dec 2020)
  - Chaired committee to create the BS Geology with a Professional and Environmental Track
  - Prepared paperwork for internal committees
  - Prepared paperwork for the Ohio Department of Higher Education
- Course Coordinator (Aug 2014 – May 2016; Aug 2017 – Aug 2025)
  - Oversee offerings and scheduling of GEOL 1201, 1202, 1350, and 1401
  - Liaise with bookstore on textbook needs
- Geology Club Advisor (Aug 2014 – May 2016; Aug 2017 – May 2021, end of club)
  - Mentored club activities, fundraising, and expenses
- Academic Advisor (Aug 2014 – May 2016; Aug 2017 – Aug 2025, closure of program)
  - Advise geology and education students on course scheduling and career planning
- Program Assessment (Aug 2018 – Aug 2025, closure of program)
  - Developed program learning outcomes
  - Developed program assessment plan
  - Collect and analyze assessment data
  - Compile yearly reports
- Curricular Updates (Aug 2014 – May 2016; Aug 2017 – Present)
  - Provide regular updates to program curriculum
  - Provide regular updates to program courses
  - Successfully submitted GEOL 1201 to the ODHE Transfer Assurance Guide (TAG)
  - Successfully submitted GEOL 1201, 1350, and 1401 to Ohio Transfer 36 (OT36)
- Outreach and Recruitment (Aug 2014 – May 2016; Aug 2017 – Aug 2025, closure of program)
  - Participate in on average three recruitment and outreach events per semester

#### Educational Policies and Curriculum Committee

- Chair (Aug 2021 – Sept 2022)
  - Oversee all curricular proposals related to undergraduate programs
  - Oversee all institutional policies and procedures
  - Develop committee agendas, meeting materials, and chair meetings
  - Served as a system administrator for curricular software (Curriculog)
  - Organized training sessions on Curriculog
  - Worked with faculty and administration on proposal submission and approval process

#### College of Arts and Sciences Recruitment Committee

- Department of Natural Sciences Representative (Aug 2018 – May 2022)
  - Organized recruitment efforts for the College
  - Created the “Bear-y Motivated” campaign
  - Participated in and organized numerous outreach and recruiting events
  - Successfully wrote \$6,050 worth of grants to support the committee’s goals

#### Geological Society of America, Karst Division, Awards Committee

Division Representative (Aug 2016 – Dec 2024; Chair May 2022 – Dec 2024)

Evaluate grant submissions

Evaluate division award nominations

Environmental Engineering Technologies Program (Program Closed in 2021)

Search Committee for Visiting Faculty Member (Aug 2017 – May 2018; Aug 2019 – May 2020)

Served as committee member on two search committees

Program Offerings (Aug 2014 – May 2016; Aug 2017 – May 2021)

Collaborated on shared courses with the geology program (GEOL 1201, 4311, and 4420)

Collaborated on shared resources

Enrollment Management Committee

E-campus Representative (March 2023 – May 2023)

Make recommendations for institutional recruitment efforts

Update committee on E-campus efforts

Blackboard Ultra Rollout Committee

Faculty, E-campus, and Distance Learning Committee Representative (Nov 2023 – Aug 2025)

Developed and implemented rollout plan for Blackboard Ultra

Trained as administrator in Ultra

Facilitated training of other faculty

### Annual Service Activities:

- AY 25/26: ADA (Title II) Online Course Content Compliance Committee  
Blackboard Support Coordinator Search Committee  
Biology (Botany) Tenure-Track Faculty Search Committee  
Chemistry (Industrial / Analytical) Tenure-Track Faculty Search Committee  
Department of Natural Sciences – Bylaws Review / Update ad-hoc Committee, Chair  
Department of Natural Sciences Recruitment Committee  
Department of Natural Sciences Webmaster  
Instructional Designer External Contractor Search Committee  
Parking Appeal Review Committee  
President's Council  
SEA – OPM Transition Committee  
University Faculty Senate – Constitution and Bylaws Revision Committee, Chair  
University OPM Transition Committees
- AY 24/25: Biology (Botany) Tenure-Track Faculty Search Committee  
Campus Planning Committee  
Department of Natural Sciences – Bylaws Review / Update ad-hoc Committee  
Department of Natural Sciences Recruitment Committee  
Environmental Science Program Creation Committee, Chair  
Hiking Club Advisor  
Parking Appeal Review Committee  
President's Council  
SEA – OPM Transition Committee  
University Faculty Senate – Constitution and Bylaws Revision Committee  
University OPM Transition Committees  
Upward Bound Math Science Director Search Committee
- AY 23/24: Artificial Intelligence University Resolution and Syllabus Language Committee  
Biology (Botany) Tenure-Track Faculty Search Committee  
Contract Negotiation – Article 20 Review – Chair  
General Education Transfer Policy Committee  
Hiking Club Advisor  
Upward Bound Math Science Director Search Committee – Chair
- AY 22/23: Accreditation Mid-Cycle Review Criterion 2 Committee  
Accreditation Mid-Cycle Review Criterion 4 Committee  
College of Arts and Sciences Dean Search Committee – Department Representative  
Hiking Club Advisor  
Institutional Accreditation Steering Committee  
Natural Sciences Lab Manager Search Committee – Discipline Representative

- AY 21/22: Accreditation Mid-Cycle Review Criterion 2 Committee  
 Department of Natural Sciences – Bylaws Review / Update ad-hoc Committee  
 Hiking Club Advisor  
 University of Arkansas – Fort Smith Geosciences Program Review – External Reviewer  
 Vice President for Finance and Administration Search Committee – College Representative
- AY 20/21: Accreditation Mid-Cycle Review Criterion 2 Committee  
 BS Environmental Science Program Creation Committee (chair)  
 Geological Society of America Annual Meeting Session Co-convener  
 Program Review Policy Review Committee – College Representative
- AY 19/20: Geological Society of America Regional Meeting in Duluth, MN Session Co-convener  
 Program Review Policy Review Committee – College Representative
- AY 18/19: Department of Natural Sciences Recruitment Committee (chair)
- AY 17/18: Election committee for the University Faculty Senate  
 Grade Appeals Policy ad-hoc committee of the University Faculty Senate (co-chair)  
 Workload committee for Shawnee Education Association (faculty union)
- AY 14/15: Election committee for the University Faculty Senate

#### Peer Reviewer For:

- *Acta Geodynamica et Geomaterialia*
- *Applied Sciences*
- *Carbonates and Evaporites*
- *Earth Science Informatics*
- *Energies*
- *Geology*
- *Geosciences*
- *Hydrogeology Journal*
- *Hydrology*
- *International Journal of Environmental Research and Public Health*
- *International Journal of Speleology*
- *Journal of the Arkansas Academy of Science*
- *Journal of Cave and Karst Studies*
- *Journal of Coastal Research*
- *Journal of Geophysical Research - Biogeosciences*
- *Journal of Marine Science and Engineering*
- *Land*
- *Quaternary International*
- *Remote Sensing of Environment*
- *Scientific Reports*
- *Sustainability*
- *The Ohio Journal of Science*
- *Water*

#### Grants Reviewer For:

National Science Foundation (NSF), Swiss National Science Foundation (SNSF), and United States Geological Survey (USGS)

#### Book Proposal Reviewer For:

Springer

#### AWARDS AND HONORS:

- 2025: Shannon Lawson Faculty Service Award – Given by the SSU Teaching and Learning Center  
 2024: Board of Trustees Distinguished Teaching Award – Given by the SSU Board of Trustees  
 2023: Upward Bound Math Science Instructor of the Year – Given by the UBMS program director  
 2019: Young Scientist Award – Given by the Geological Society of America’s Karst Division  
 2018: Faculty Research Award – Given by the Shawnee State University Faculty Senate  
 2010: Unity College President’s Commendation for Academic Excellence – For academic integrity and excellence in research  
 2010: Unity College Dean’s Award – Highest cumulative GPA of all graduating students

#### CURRENT PROFESSIONAL MEMBERSHIPS:

- American Association of Petroleum Geologists  
 American Institute of Professional Geologists  
 Geological Society of America  
 National Speleological Society  
 Ohio Cave Survey  
 Ohio Geological Society  
 Online Learning Consortium  
 Urban and Regional Information Systems Association – Ohio Chapter