

Shayne R. O'Brien, Ph.D.

Wallingford, Connecticut | obriens15@southernct.edu | shayneobrien@ccsu.edu | (203) 213-5632

EDUCATION

Texas State University (San Marcos, TX): *Ph.D. Geography and Environmental Studies* December 2022

- Concentration: Atmospheric and Oceanic Drivers of Arctic Change, North Atlantic Icebergs
- Dissertation: *Teleconnections as a Driver for the Presence of North Atlantic Icebergs South of 48° N 1983-2020.*
- Advisor: Richard W. Dixon, Ph.D.

Fort Hays State University (Hays, KS): *M.S. Geosciences* May 2018

- Concentration: Climatology/Meteorology
- Certificates: Geographic Information Systems
- Thesis: *Identifying Spatial Patterns of Precipitation Trends in the Continental United States, 1950-2016*
- Advisor: P. Grady Dixon, Ph.D.

Southern Connecticut State University (New Haven, CT): *B.A. Geography, B.A. History* May 2016

- Major: Geography
- Major: History
- Advisor: C. Patrick Heidkamp, Ph.D.

PROFESSIONAL POSITIONS

- | | |
|-------------|---|
| 2023 – | Adjunct Faculty
Southern Connecticut State University, Department of the Environment, Geography and Marine Studies, New Haven, CT |
| 2023 – | Adjunct Faculty
Central Connecticut State University, Department of Geography, New Britain, CT |
| 2022 – | Adjunct Faculty
University of Tennessee-Chattanooga, Department of Social, Cultural and Justice Studies, Chattanooga, TN |
| 2022 | Adjunct Faculty
Texas State University, Department of Geography and Environmental Studies, San Marcos, TX |
| 2018 – 2022 | Doctoral Instructional Assistant/Instructor of Record
Texas State University, Department of Geography and Environmental Studies, San Marcos, TX |
| 2019 | Adjunct Faculty
Fort Hays State University, Department of Geosciences, Hays, KS |
| 2016-2018 | Graduate Teaching Assistant
Fort Hays State University, Department of Geosciences Hays, KS |

TAUGHT COURSES

- 2023 – **Southern Connecticut State University**
GEO 100: People, Places and Environments
GEO 201: Physical Geography, Laboratory
ENV 220: Global Climate Change
- 2023 – **Central Connecticut State University**
GEOG 433/514: Issues in Environmental Protection
GEOG 374: Climatology
GEO 109/SUST 109/CCS 109: Introduction to Climate Change
GEO 209/SUST 209/CCS 209: Climatology
- 2022 – **University of Tennessee-Chattanooga**
GEO 1010: Physical Geography
GEO 1030: World Geography
- 2018 – 2022 **Texas State University**
GEO 1305: Meteorology
- 2016-2019 **Fort Hays State University**
GSCI 110: World Regional Geography

AWARDS AND HONORS

- 2021 Phi Kappa Phi Honor Society Love of Learning Award
- 2020 Texas State University, Teaching Award of Honor (Service for COVID-19)
- 2020 Texas State University STAR Grant
- 2019 George D. Battle Memorial Scholarship in Climatology and Coastal Studies, Texas State University Department of Geography
- 2018 John Heinrichs Student Excellence in Research Award – Graduate, Fort Hays State University Department of Geosciences

PUBLICATIONS

- 2021 Dixon, R. W., **O'Brien, S. R.**, & Hodge, J. B. (2021). The Oceanography of Cuchlaine A.M. King. *Progress in Physical Geography: Earth and Environment*, doi:10.1177/03091333211005287

PAPERS IN PROGRESS

- TBA** **O'Brien, S.R.**, J. Hodge, and R. Dixon. “*A Climatological Analysis of the National Hockey League’s Winter Classic.*” (To be submitted to Applied Geography, Spring 2026)
- TBA** **O'Brien, S.R.**, R.W Dixon “*North Atlantic Oscillation linked to presence of North Atlantic Icebergs observed South of 48 N.*” (to be submitted to International Journal of Climatology Fall 2025)

TBA	O'Brien, S.R. R.W Dixon, " <i>Presence of North Atlantic Icebergs Preconditioned by North Atlantic Oscillation at 1-year lag</i> " (to be submitted to Arctic Science)
TBA	Hodge, J.B., R.W. Dixon, R.A. Earl, S.R. O'Brien " <i>Perspectives on the 2021 Texas Freeze</i> " (To be submitted to the Texas Journal of Science, Fall 2025)

CONFERENCES

2022	O'Brien, S.R. , R.W Dixon, " <i>Arctic Teleconnections as Drivers of Iceberg Presence in the North Atlantic</i> " American Association of Geographers Meeting, Virtual
2022	O'Brien, S.R. , <i>Arctic Teleconnections as Drivers of Iceberg Presence in the North Atlantic</i> " Texas Geography and Environmental Studies Student Research Summit, San Marcos, TX
2019	O'Brien, S.R. , T.J. Ballinger, T. Mote, M. Tedesco, and D. van As. " <i>Surface and englacial response of the Greenland Ice Sheet to local and regional atmospheric conditions, 2011 – 2017</i> " American Association of Geographers 2019, Washington, D.C.
2019	O'Brien S.R. " <i>Teaching scientific concepts to non-science majors</i> " Teaching Key Concepts in Geography Session National Council for Geographic Education (NCGE)/National Council for Social Studies (NCSS) joint-conference, Austin, TX
2019	O'Brien, S.R. " <i>Detecting Atmospheric Anomalies in Unseasonal Three-Day Melt Events in Greenland: A Case Study</i> " Texas Geography Student Research Summit, San Marcos, TX
2018	O'Brien S.R. " <i>Precipitation Trends in the Continental U.S 1950-2016</i> " American Association of Geographers 2018, New Orleans, LA.
2018	O'Brien S.R. " <i>Precipitation Trends in the Southwest U.S</i> " Southwest American Association of Geographers 2018, Huntsville, TX

GUEST LECTURES

2019	O'Brien, S.R. , " <i>Glacier-Atmosphere Interactions</i> " GEO 3305: Climatology, Guest Lecture, Texas State University, San Marcos TX, April 23, 2019
------	---

PROFESSIONAL WORKSHOPS

2019	INTPART USA-CAN-NOR Arctic Field School, Kluane Lake Research Station, Yukon Territory, Canada
2019	NSF Arctic Data Center Training, NCEAS, Santa Barbara, CA.

INSTITUTIONAL SERVICE

2020-2022	Texas State University Distance and Extended Learning Student Advisory Committee
2019-2021	Texas State University Geography Graduate Forum, Ph.D. Representative to Faculty
2019-2020	Texas State University Geography, Graduate Program Committee
2019	Interim Head Coach, Texas State University Ice Hockey
2018-2020	Assistant Coach/Recruitment Coordinator, Texas State University Ice Hockey

- 2014 Representative-at-large, Student Government Association, Southern Connecticut State University
- 2014 Board of Student Advocacy, SGA, Southern Connecticut State University

REVIEWED MANUSCRIPTS

- 2020 Second Order Draft of the IPCC Sixth Assessment Report, Climate Change 2021: The Physical Science Basis, by the Working Group I, Chapter 11: Weather and Climate Extreme Events in a Changing Climate.

ADDITIONAL CERTIFICATIONS

- 2022 NAUI Open Water SCUBA Diver
(Cert. No. CR1ACF8)
- 2022 NAUI Nitrox SCUBA Diver
(Cert. No. 5CFC22D)

REFERENCES

Richard W. Dixon, Ph.D.

(Doctoral Advisor)
Professor of Geography
Texas State University
Rd11@txstate.edu

P. Grady Dixon, Ph.D.

(Master's Advisor)
Dean, Werth College of Science, Technology and Mathematics
Fort Hays State University
pgdixon@fhsu.edu

C. Patrick Heidkamp, Ph.D.

(Undergraduate Advisor)
Professor of the Environment, Geography and Marine Studies
Southern Connecticut State University
Heidckampc1@southernct.edu