

Shayne R. O'Brien, Ph.D.

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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

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| 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
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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)