

Shayne R. O'Brien, Ph.D.

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EDUCATION

Texas State University (San Marcos, TX): *Ph.D. Geography* 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 Lecturer**
Southern Connecticut State University, Department of the Environment, Geography and Marine Studies, New Haven, CT
- 2023 – **Adjunct Lecturer**
Central Connecticut State University, Department of Geography, Anthropology, and Tourism. New Britain, CT
- 2022 – **Adjunct Lecturer**
University of Tennessee-Chattanooga, Department of Social, Cultural and Justice Studies, Chattanooga, TN
- 2022 **Adjunct Lecturer**
Texas State University, Department of Geography and Environmental Studies, San Marcos, TX
- 2018-2022 **Doctoral Instructional Assistant/Instructor of Record**
Texas State University, Dept. 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 272: Physical Geography (In Prep)
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.**, R.W Dixon "North Atlantic Oscillation linked to presence of North Atlantic Icebergs observed South of °48 N." (to be submitted to Advances in Polar Science S27)

CONFERENCES

- 2022 **O'Brien, S.R.**, R.W Dixon, “*Arctic Teleconnections as Drivers of Iceberg Presence in the North Atlantic*” American Association of Geographers Meeting, Virtual
- 2022 **O'Brien, S.R.**, *Arctic Teleconnections as Drivers of Iceberg Presence in the North Atlantic*” 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. “*Surface and englacial response of the Greenland Ice Sheet to local and regional atmospheric conditions, 2011 – 2017*” American Association of Geographers 2019, Washington, D.C.
- 2019 **O'Brien S.R.** “*Teaching scientific concepts to non-science majors*” 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.** “*Detecting Atmospheric Anomalies in Unseasonal Three-Day Melt Events in Greenland: A Case Study*” Texas Geography Student Research Summit, San Marcos, TX
- 2018 **O'Brien S.R.** “*Precipitation Trends in the Continental U.S 1950-2016*” American Association of Geographers 2018, New Orleans, LA.
- 2018 **O'Brien S.R.** “*Precipitation Trends in the Southwest U.S*” Southwest American Association of Geographers 2018, Huntsville, TX

GUEST LECTURES

- 2026 “*Staying Cool in a Changing Climate*”, Wallingford Public Library, CT, June 17, 2026
- 2025 “*Living in a Changing Climate*”, Milford Public Library, Milford CT, July 10, 2025
- 2019 “*Glacier-Atmosphere Interactions*” 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.

GRADUATE STUDENTS

- 2025 Sarah McQuade, M.A. Ecology and Environmental Studies (Committee)

INSTITUTIONAL SERVICE

- 2025- Central Connecticut State University Ice Hockey Club, Assistant Coach
- 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 Texas State University Ice Hockey Club, Interim Head Coach

2018-2020 Texas State University Ice Hockey Club, Assistant Coach/Recruitment Coordinator
2013-14 Board of Student Advocacy, SGA, Southern Connecticut State University
2013-14 Southern Connecticut State University Student Government Association
Representative-at-large
2013-14 Southern Connecticut State University SGA Board of Student Advocacy
2012-15 President - Southern Connecticut State University Hockey Club

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

2025 USA Hockey Coaching Education Program, Lv. 2
(CEP: 241630079OBRIE)
2022 NAUI Open Water SCUBA Diver
(Cert. No. CR1ACF8)
2022 NAUI Nitrox SCUBA Diver
(Cert. No. 5CFC22D)