

Carolyn Coyle

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Education

Colorado State University, Fort Collins, CO 2021 – Present
Ph.D Candidate, Ecology (GPA: 4.0)

Dissertation: Songbirds as Pollinators? Uncovering bird-flower interactions in North America.
Anticipated graduation: Spring 2026. *Advisors:* Dr. Liba Pejchar and Dr. Caitlin Wells.

Colorado State University, Fort Collins, CO 2021 – Present
Data Analysis Graduate Certificate (GPA: 4.0)

Oregon State University, Corvallis, OR 2016 – 2019
B.S, Fisheries and Wildlife Sciences (GPA: 3.96, Summa Cum Laude)
Advisor: Dr. W. Douglas Robinson

Garrett College, McHenry, MD 2013 – 2015
A.A.S in Natural Resources and Wildlife Technologies (GPA: 3.72, Magna Cum Laude)
Advisor: Kevin Dodge

Publications

Courtney, K., Davis, K., **Coyle, C. M.***, Schweizer, T., Davies, M., Badeaux, A., Middleton, M., Romero, C., Uili, M., Urchek, K., & Pejchar, L. (submitted 5/1/2025). Graduate Students and Mental Health: Equity and Access in the Life Sciences.

Coyle, C. M., & Gannon, D. G. (2021). Observations of Orange-crowned Warblers in Vine Maple. Northwestern Naturalist, 102(1), 94-95. <https://doi.org/10.1898/1051-1733-102.1.94>

Presentations

Upcoming: Songbirds as Pollinators? New Insights Into Flower Visitation by Passerines in the Western United States and Canada.
Wilson Ornithological Society, Los Angeles, CA 2025

Invited Talk – Songbirds as Pollinators? New Insights Into Flower Visitation by Passerines of Vancouver Island and Beyond.
Rocky Point Bird Observatory, Victoria, BC 2025

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| Songbirds as Pollinators? New Insights Into Flower Visitation by Passerines in the Western United States and Canada. | |
| American Ornithological Society Annual Meeting. Estes Park, CO | 2024 |
| Pass the Pollen Please: Vine Maple (<i>Acer circinatum</i>) Pollination by Passerine Birds | |
| Willamette Valley Bird Symposium, Corvallis, OR | 2020 |
| Creating a Field Guide: Field ID Techniques for Caddisfly, Mayfly, and Stonefly Adults | |
| Oregon State University Undergraduate Research Symposium, Corvallis, OR | 2018 |

Awards, Research Grants, and Fellowships

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| <i>National Science Foundation</i> | 2021 – Present |
| Graduate Research Fellowship | |
| <i>Colorado State University Center for Collaborative Conservation</i> | 2025 – Present |
| Center for Collaborative Conservation Fellow: Cohort 15 | |
| <i>National Science Foundation</i> | 2025 |
| STAR: Songbirds as potential pollinators? Uncovering bird-flower interactions in North America | |
| <i>Colorado State University</i> | 2024 – 2025 |
| Vice President for Research (VPR) Graduate Fellows Program | |
| <i>Wilson Ornithological Society</i> | 2024 |
| Student Research Grant | |
| <i>Sea and Sage Audubon Society</i> | 2024 |
| Bloom-Hays Ecological Research Grant | |
| <i>Pasadena Audubon Society</i> | 2024 |
| Student Research Grant | |
| <i>The Garden Club of America</i> | 2023 |
| Centennial Pollinator Fellowship | |
| <i>The American Philosophical Society</i> | 2022 |
| Lewis and Clark Fund for Exploration and Field Research | |
| <i>American Ornithological Society</i> | 2022 |
| Student Research Grant | |

Scholarships and Travel Grants

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| <i>Colorado State University</i> Van Riper Graduate Travel Award | 2025 |
| <i>Colorado State University</i> Anheuser-Busch Environmental Fellowship | 2025 |
| <i>Colorado State University</i> Graduate Degree Program in Ecology Training & Travel Grant | 2024 |
| <i>Colorado State University</i> Graduate Degree Program in Ecology Research Grant | 2024 |
| <i>Colorado State University</i> Graduate Student Council (GSC) Professional Development & Supply Grant | 2024 |
| <i>Colorado State University</i> Anheuser-Busch Environmental Fellowship | 2024 |
| <i>Colorado State University</i> The Thomas A. Jones Graduate Fellowship | 2023 – 2024 |
| <i>Colorado State University</i> The Douglas L. Gilbert Memorial Scholarship | 2022 – 2023 |
| <i>Colorado State University</i> Graduate Student Council (GSC) Professional Development & Supply Grant | 2022 |

Outreach, Engagement, and Leadership

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| <i>Research Co-leader: Nature in the City: Evaluating social and ecological outcomes of community-driven urban restoration projects in Fort Collins</i> Center for Collaborative Conservation, Fort Collins, CO | 2025 – Present |
| <i>Society for Conservation Biology</i> , CSU chapter member Colorado State University, Fort Collins, CO | 2024 – Present |
| <i>Research Co-leader: Mental Health Access for Life Sciences Students</i> Colorado State University, Fort Collins, CO | 2022 – Present |
| <i>Graduate Degree Program in Ecology</i> , Social Committee Chair Colorado State University, Fort Collins, CO | 2023 – 2024 |

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| <i>FWCB Anti-Racism Graduate Group, Member</i> Colorado State University, Fort Collins, CO | 2021 |
| <i>Bird Nerds, Birding Activity Chair & Secretary</i> Oregon State University, Corvallis, OR | 2018 – 2019 |
| <i>Wildlife Club, Event Coordinator</i> Garrett College, McHenry, MD | 2014 – 2015 |
| <i>4H: Lucky Clovers, Member</i> Montgomery County, MD | 2008 – 2011 |

Certifications

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| Human Subjects Research (HSR) - <i>CITI Program</i> | 2023 |
| Bird-banding Subpermittee - <i>BBL</i> | 2022 |
| Working with the IACUC, Certificate of Completion - <i>CITI Program</i> | 2022 |
| Mist-netting and Songbird Banding Certificate of Participation - <i>NABC</i> | 2018 |
| WET, Wild, Learning Tree Facilitator Certificate - <i>Maryland Park Service</i> | 2014 |
| Wildland Firefighter Certification (S-130 & S-190) - <i>NWCG</i> | 2015 |
| Hunter Safety - <i>Maryland DNR</i> | 2013 |
| Boater Safety - <i>Maryland DNR</i> | 2013 |

Professional Development

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| <i>Colorado State University: Center For Collaborative Conservation (CCC)</i> Training Retreat: Collaborative Conservation Tools and Techniques | 2025 |
| <i>Colorado State University: Graduate Degree program in Ecology</i> Workshop: Reproducible Research in R | 2025 |
| <i>Colorado State University: Office for the Vice President for Research (OVPR)</i> VPR Fellow Professional Development Seminar Series | 2024 – 2025 |
| <i>National Science Foundation</i> Workshop: Integrating Theory and Data in Plant-Pollinator Interactions | 2024 |
| <i>Colorado State University: Department of Fish, Wildlife, and Conservation Biology</i> | |

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| Workshop: DEIJ Series – Mental Health in Academia | 2024 |
| <i>Colorado State University: Department of Animal Sciences</i> | |
| Workshop: QIIME-2 Microbiome Analysis | 2022 |

Teaching Experience

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| <i>Graduate Teaching Assistant: Community Ecology (ECOL 600)</i> | Spring 2025 |
| Colorado State University, Fort Collins, CO | |
| <i>Graduate Teaching Assistant: Design of Fish and Wildlife Projects (FW 370)</i> | Fall 2024 |
| Colorado State University, Fort Collins, CO | |
| <i>Teaching Assistant: Systematics of Birds (FW 312)</i> | Fall 2019 |
| Oregon State University, Corvallis, OR | |
| <i>Birding Field Instructor</i> | Spring 2018 – Fall 2019 |
| Oregon State University, Corvallis, OR | |

Relevant Positions

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| <i>Graduate Research Assistant</i> | 2021 – 2024 |
| Colorado State University, Fort Collins, CO | |
| <i>Assistant Songbird Bander</i> | 2018 – 2020 |
| Institute for Bird Populations: Luckiamute MAPS Station, Corvallis, OR | |
| <i>Field Technician: Purple Martin Project</i> | 2018 |
| United States Geographic Survey (USGS), Corvallis, OR | |

Mentorship

(2023 – Present) Undergraduate Lab Trainee: Sophie Scholl, pursuing B.Sc in Fisheries, Wildlife, and Conservation Biology from CSU

(2023 – Present) Undergraduate Lab Trainee: Marissa Drake, pursuing B.Sc in Fisheries, Wildlife, and Conservation Biology from CSU

(2023 – 2024) Undergraduate Field Trainee: Annika Abbott, B.Sc in Fisheries, Wildlife, and Conservation Biology from CSU

(2022 – 2023) Undergraduate Field and Lab Trainee: Kadin Samsalla, B.Sc in Fisheries, Wildlife, and Conservation Biology from CSU

(2022 – 2023) Undergraduate Lab Trainee: Michaela McNabb, B.Sc in Zoology from CSU

Skills and Expertise

Research & Data Analysis

- Proficient in R Studio analyses, including Species Distribution Modeling (Terra), Bioinformatics (DADA2) and Bayesian (rjags) modeling
- Experience with ecological data visualization
- Skilled in permit acquisition for field research and sample transport
- Proficient in clean lab upkeep and understanding of advanced dual-index metabarcoding workflows

Project & Budget Management

- Grant writing, budget preparation & management
- Procurement and asset management for research projects
- Experienced in coordinating field research logistics
- Proficient in network coordination and strategic planning, having established a regional bird banding sampling network, collaborating with over 10 existing banding stations

Technical & Administrative

- Skilled in data organization, reporting, and documentation
- Advanced managerial and personnel management skills
- Strong written communication for scientific manuscripts, reports, and outreach

Teaching & Mentorship

- Hiring and mentoring undergraduate researchers
- Graduate Teaching Assistant for multiple undergraduate and graduate level university courses
- Led birding field courses and workshops
- Extensive history of working at nature camps to teach science to children

