

STACY R. COTEY

College of Forest Resources and Environmental Science
Michigan Technological University
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EDUCATION

PhD Forest Science, Michigan Technological University, August 2021

Dissertation: Landscape Ecology of North American River Otter (*Lontra canadensis*) in the Upper Peninsula of Michigan; Advisor: Audrey L. Mayer, PhD

MS Biology (Wildlife), Northern Michigan University, August 1998

Thesis: Nest Site Selection of Red-shouldered Hawk, Red-tailed Hawk, and Northern Goshawk in the Upper Peninsula; Advisor: William Robinson, PhD

BA Biology (Zoology concentration), University of Northern Iowa, May 1993

BA Art (Photography & Drawing emphasis), University of Northern Iowa, May 1993

PROFESSIONAL EXPERIENCE

Assistant Teaching Professor-Wildlife Ecology. 2022-present. College of Forest Resources & Environmental Science. Michigan Technological University. Houghton, MI.

Academic Advisor/Instructor, 2016-2021, College of Forest Resources & Environmental Science, Michigan Technological University. Houghton, MI

Workshop Coordinator, 2016-2017, Science and Management of Ash After Emerald Ash Borer, Michigan Technological University, Houghton, MI and United States Department of Agriculture Forest Service, Grand Rapids, MN

Academic Advisor/ Instructor/Coordinator of Learning Center-Biological Sciences and University Director of Pre-Health Professions Studies, 2011-2016, Michigan Technological University, Houghton, MI

Academic Advisor/ Instructor/Coordinator of Learning Center- Biological Sciences, 2008-2011, Michigan Technological University, Houghton, MI

Environmental Science Department Chair/Instructor, 2007-2008, Keweenaw Bay Ojibwa Community College, Baraga, MI

Director of Outreach and Development, 2005-2007, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI

Great Explorations Site Coordinator, 2003-2005 Lake Linden-Hubbell Schools, Lake Linden, MI

Biological Field Technician and Researcher, 2003, JZ Environmental, Metamora, MI

Hamilton Creek Watershed Manager, 2000-2003, Dickinson Conservation District, Kingsford, MI

Biology and Environmental Science Instructor, 1998-2000, Ridgewater College, Willmar, MN

Advanced Environmental Biology Instructor, 1998, Upward Bound Regional Mathematics and Science Summer Program, Marquette, MI

Science Lab Director and Instructor, 1998, Clear Lake Environmental Center, Delta-Schoolcraft Intermediate School District, Shingleton, MI

Principal Investigator-Woodland Hawk Study, 1996-1998, Hiawatha National Forest and Pictured Rocks National Lakeshore, Munising, MI

Graduate Teaching Assistant, 1996-1998, Northern Michigan University, Marquette, MI

Park Ranger, 1995, Voyageurs National Park, International Falls, MN

Resource Assistant, 1993 & 1994, Isle Royale National Park, Houghton, MI

Photography Lab Manager, 1991-1993, Art Department, University of Northern Iowa, Cedar Falls, IA

CURRENT RESEARCH PROJECTS

Monitoring of weasel populations in North America with Clemson University, North Carolina State University, Appalachian State University, South Dakota State University, Purdue University, and Department of Natural Resources agencies in VA, SC, IN, MN, and NC.

Connectivity of vernal pools in Pictured Rocks National Lakeshore with Rod Chimner and Sam Kurkoswki at Michigan Tech, MTRI, and NPS

Use of online citizen science in undergraduate education with Nash Community College, Central New Mexico Community College, University of Colorado, University of Sydney, SUNY-Fredonia, University of the People, and East Carolina University

Bobcat fever (*Cytauzoon*) cases in domestic cats in Indiana with Oklahoma State University and Purdue University

Prevalence of bobcat fever (*Cytauzoon*) and the correlation of infection with environmental factors in bobcats (*Lynx rufus*) in Oklahoma with Dr. Mason Reichard's Pathobiology lab, Oklahoma State University

Meta-analysis of North American River Otter (*Lontra canadensis*) Habitat Characteristics with Dr. Audrey Mayer, US Fish & Wildlife Service/Michigan Tech

Identification of Individual Otters with Snow eDNA with Animal Welfare Institute, Tangled Bank Conservation, and Ottawa National Forest

TEACHING EXPERIENCE

Michigan Technological University

Wildlife Research Techniques (lecture and lab) Fall 2023-present

Animal Behavior (online lecture) Summer 2022-present

Landscape Ecology and Planning (lecture) Spring 2019-present

Professional Experience Program (internship) Summer and Fall 2018-present

Wildlife Ecology (lecture) Fall 2017-present

Introduction to the Health Professions (first-year seminar) Fall 2013-Fall 2015

Botany (lecture, instruct lab TAs, and co-supervise greenhouse) Spring 2009, 2012-2016

Principles of Biology (lecture and instruct lab TAs) Fall 2010 & 2011

Introduction to Biological Sciences (first year seminar) Fall 2009-Fall 2015

Special Topics in Botany (directed study and lab) Summer 2009

Biological Sciences Teaching Experience (directed study) Spring 2009, 2012-2016

Keweenaw Bay Ojibwa Community College

Ornithology (lectures and lab/field) Summer 2008

Ecology (lectures and lab/field) Spring 2008

Anatomy and Physiology (lecture and lab) Spring 2008

Conservation Biology (lecture) Fall 2007

Introduction to Biology (lecture and lab) Fall 2007
Dendrology (lecture and lab/field) Fall 2007

Ridgewater College

Environmental Science (2 lectures and 4 labs/field per semester) Fall and Spring 1998-2000
Conservation of Natural Resources (lecture and 3 labs/field per semester) Fall 1998-2000
Introductory Biology (lecture and 3 labs per semester) Fall and Spring 1998-2000, Spring session was geared toward students in Veterinarian Technician program

Northern Michigan University

Advanced Environmental Science (lecture and lab/field) Summer 1998
Ecology Lab (3 labs/field per semester) Fall 1997
Field Experience: Raptor Ecology (field) Summer 1996 & 1997
Biology I Lab (3 labs per semester) Fall 1996

Delta-Schoolcraft Intermediate School District-Clear Lake Environmental Center

Lake Studies (field) Summer 1998
Herpetology (field) Summer 1998

ACADEMIC SERVICE

University

Women in Natural Resources Club Advisor 2020-present
Michigan Tech University Academic Advising Council 2018-2021
Treehouse Learning Community Advisor 2017-2020
Michigan Tech Student Chapter of The Wildlife Society Co-Advisor 2016-2019
Michigan Tech Biochemistry Club Advisor 2016-2017
General Education Science and Mathematics Assessment Committee 2015-2017
Medical Careers Week-Medical Professions Co-Coordinator 2015-2016
Lean Advising Website Development Project 2014-2015
MSU College of Human Medicine Lecture Series Campus Coordinator 2013-2016
UP Physicians Conference-Michigan Tech Campus Coordinator 2013-2016
Transfer Services Advisory Committee 2012
Aquaponics Enterprise Mentor 2012
My Michigan Tech Incoming Student Portal (LUMINAS) Advisory Committee 2012
Dean of Students Academic Policy Review Committee 2012
MSU College of Human Medicine Early Assurance Campus Coordinator 2011-2016
Wayne State MedStart Campus Coordinator 2011-2016
Medical Alumni and Kathy Jean Jensen Scholarship Coordinator 2011-2016
Coordinator of Campus Visits for Health School Admissions 2011-2016
Phi Sigma Career Blitz Presenter 2009-2016
Michigan Tech Leading Scholars Selection Committee 2009-2012
Michigan Tech Degree Audit Reporting System Committee 2008-2010
Reading As Inquiry Group Facilitator 2008-2011, 2013-present
Michigan Garden Clubs Scholarship-MTU Campus Coordinator 2008-present
Ridgewater College Student Success Committee 1998-2000
Ridgewater College Scholarship Committee 1998-2000

Academic Unit

CFRES Curriculum Committee 2016-present
CFRES Scholarship Coordinator 2016-present
CFRES Curriculum Binder Revision Coordinator 2016-present
CFRES Grade Coordinator 2016-present
CFRES Evaluation Coordinator 2016-present
CFRES Book Order Coordinator 2016-present
Biological Sciences Department Curriculum Committee 2008-2016
Biological Sciences Department Scholarship Committee 2008-2016
Biological Sciences Learning Center Coordinator 2008-2016
Bioathlon Teacher Workshops 2005-2007 and 2008-2016

Michigan Tech Fall Departmental Open House Departmental Coordinator 2005-2007, 2008-2016
Michigan Tech Preview Day Departmental Coordinator 2005-2007, 2008-2016
Keweenaw Bay Ojibwa Community College Curriculum Committee 2007-2008
SFRES Scholarship Coordinator 2005-2007
Ridgewater College Biological Sciences Advisor (50-60 students) 1998-2000

Other

IUCN/SSC Otter Specialist Group monthly Newsletter Editor/Contributor 2022-present
Martes Working Group Bi-annual Newsletter Editor 2019-present

AWARDED GRANTS

Cotey, S.R. 2023. Bioacoustic monitoring field equipment. Hammar Fund. \$6,000

Cotey, S.R. 2018-19, Keeping "Track" of North American River Otters, Christine Stevens Wildlife Award, \$22,500

Mayer, A.L. and Cotey, S.R. 2018-2021. Role of Riparian Forests and Surrounding Matrix in Functional Connectivity of North American River Otter (*Lontra canadensis*) McIntire-Stennis, \$50,000

Cotey, S.R. 2013. Analysis of Graph-Based Connectivity Models as a Possible Method of Assessing Watershed Health, NASA-Michigan Space Grant Consortium Fellowship, \$5000

Cotey, S.R. 2012. Wildlife Use of Road-Stream Crossings, Ecosystem Science Center Graduate Research Grant, \$1000.

Cotey, S.R. 2012, Smithsonian Noninvasive Genetics Workshop, Ecosystem Science Center Graduate Training Grant \$1500

Cotey, S.R. 2010. Document Camera and Projector for Learning Center, Center for Teaching, Learning and Faculty Development-Michigan Tech, \$750

Cotey, S.R. 2007. Environmental Science Curriculum Improvement Grant, PETE Tribal College Env. Science Technical Assistance \$2000

Cotey, S.R. 2003-2006. Implementation of Best Management Practices in Hamilton Creek Watershed, Clean Michigan Initiative Non-Point Pollution Grant, \$450,000

Cotey, S.R. 2003-2006. Implementation of Best Management Practices, Clean Michigan Initiative High Quality Waters, \$105,000.

Cotey, S.R. 2002. Hamilton Creek Stream Clean-up, Volunteer Stream Clean-up Grant, \$2900

Cotey, S.R. 2002. Wildlife Habitat Improvement Projects in the Hamilton Creek Watershed, UP Sustainable Forestry and Wildlife Fund, \$6500

Cotey, S.R. 2002. Lake Mary Native Planting Demonstration Area, MI Department of Agriculture, \$9100

Cotey, S.R. 1999. Water Monitoring of the Minnesota River, Ridgewater Excellence in Education, \$400

Cotey, S.R. 1997. Woodland Raptor Research Project, NMU Excellence in Education, \$1000

Cotey, S.R. 1997. Woodland Raptor Research Project. Michigan Nongame Wildlife Fund, \$3500

PUBLICATIONS

Weerarathne, P., Sanders, T.L., Kao, Y.F., Cotey, S.R., Place, J.D., Fairbanks, W.S., Miller, C.A. and Reichard, M.V., 2023. High prevalence of *Cytauxzoon felis* in bobcats (*Lynx rufus*) across Oklahoma and occurrence in west Texas, USA. *Journal of Wildlife Diseases* 25:100609

Cotey S.R., Scimeca R., Chang L., Will E., Ott-Conn C., Mayer A.L., Reichard M. 2022. *Toxoplasma gondii* prevalence, partial genotypes, and spatial variation of North American river otter in the Upper Peninsula, Michigan, J Wildl. Diseases 58(4):869-881.

Cotey S.R., Collins, L., Mayer, A.L., Apodaca, J.J. In preparation. Snow eDNA as a method to identify individual otters

Reichard, M.V., Sanders, S.L., Prentiss, N.L., Cotey, S.R., Koch, R.W., Fairbanks, W.S., Insterisano, M., La Rosa, G., Pozio, E. 2021. Detection of *Trichinella murrelli* and *Trichinella pseudospiralis* in bobcats (*Lynx rufus*) from Oklahoma. Vet. Parasitology: Regional Studies and Reports 25:10069

Cotey, S.R. 2020. Landscape indicators: Nutrients and macroinvertebrates. QUBES Open Educational Resource doi:10.25334/JDD-G847

Cotey, S.R. 2003. Hamilton Creek Watershed Management Plan. 156 pp. + Appendices

Cotey, S.R. 2000-2003. Wave Action: Hamilton Creek Watershed Quarterly Newsletter.

PRESENTATIONS

Cotey, S.R. 2023. NEON in the Undergraduate Classroom. NEON Great Lakes User Group Workshop, Minnqua, WI. *

Cotey, S.R., Scimeca, R., Chang, L., Will, E., Ott-Conn, C., Mayer, A.L. and Reichard, M. 2022. *Toxoplasma gondii* prevalence in North American River Otter (*Lontra canadensis*) in the Upper Peninsula, Michigan. The Wildlife Society Annual Conference, Spokane, WA

Cotey, S.R., Scimeca, R., Chang, L., Will, E., Ott-Conn, C. and Reichard, M. 2020. *Toxoplasma gondii* prevalence and partial genotypes of North American River Otter (*Lontra canadensis*) in the Upper Peninsula, Michigan. American Association of Veterinary Pathologists Annual Conference, Virtual

Scimeca, R., Cotey, S., Chang, L., Will, E., and Reichard, M. 2020. Prevalence of *Sarcosystis spp.* in North American river otters (*Lontra canadensis*) collected in Michigan. American Association of Veterinary Pathologists Annual Conference, Virtual

Sanders, T., Prentiss, N., Cotey, S., Koch, R., Fairbanks, W., Intersano, M., La Rosa, G., Pozio, E. and Reichard, M. 2020. Detection of *Trichinella murrelli* and *T. pseudospiralis* in bobcats (*Lynx rufus*) from Oklahoma. American Association of Veterinary Pathologists Annual Conference, Virtual

Cotey, S.R. 2020. Landscape Restoration. Guest lecture in FW5115 Restoration Ecology, Michigan Technological University, Houghton, MI*

Cotey, S.R. 2019. Modern Agriculture Part 1 & 2. Guest lectures in FW3116 Ethnobotany, Michigan Technological University, Houghton, MI*

Cotey, S.R. 2019. Keeping track of otters. Ottawa National Forest. Watersmeet, MI*

Chang, L., Scimeca, R.C., Cotey, S.R., and Reichard, M.V. 2019. Molecular detection of *Toxoplasma gondii* in North American River Otters (*Lontra canadensis*) from Michigan. National Veterinary Scholars Symposium, Tufts University. North Grafton, MA

Cotey, S.R. 2018. Conservation Biology of Mustelids. Guest lecture in FW3410 Conservation Biology, Michigan Technological University, Houghton, MI*

Cotey, S.R. 2018. Importance of Landscape Ecology in Restoration Processes. Guest lecture in FW5115 Restoration Ecology, Michigan Technological University, Houghton, MI*

- Cotey, S.R. 2016. Ethnobotany: How People Use Plants. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2015. On the Move-Animal Migrations. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2014. Fungus Among Us. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2013. Climate Change and the Great Lakes. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2012. Biomimicry. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. and Mayer, A.L. 2012. Connectivity of the landscape for northern river otter in the western Upper Peninsula of Michigan, Student Research In Progress Poster Session, Wildlife Society Conference. Portland, OR
- Cotey, S. R. 2012. Connectivity of the Landscape for River Otters. Smithsonian Institute, Front Royal, VA*
- Cotey, S.R. 2011. Pollinator Ecology. 2011. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2010. Keeping Track of Wildlife. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2009. Nutrient Cycling in Aquatic Systems. Upper Peninsula Bioathlon High School Teacher Workshop (full-day), Michigan Technological University, Houghton, MI*
- Cotey, S.R. 2007. Forest Invaders. Michigan Science Teachers Association. Grand Rapids, MI
- Cotey, S.R. 2006. Monitoring School Forests. Michigan Science Teachers Association. Lansing, MI
- Cotey, S.R. 2005. Hamilton Creek Watershed: A Case Study in Partnerships. Finding the Balance Between Development and Natural Resources in the Keweenaw. Great Lakes National Wildlife Federation. Copper Harbor, MI*
- Cotey, S.R. 2002. The Beauty of Buffers. Michigan Lakes and Streams Association, Iron River, MI*

* = invited

STUDENT MENTORING

Summer Undergraduate Research Fellowship

Zoie Schafer, 2023, Connectivity of vernal pools for amphibians in Pictured Rocks National Lakeshore

Undergraduate Capstone Mentor

Sarah Arnold, 2022, Individual project
 Johnny Brock, 2022-23, North Deer Lake Team
 August Camp, 2022-23, North Deer Lake Team
 Katie Krautkramer, 2022-23, North Deer Lake Team
 Amanda Marcotte 2022-23, North Deer Lake Team
 Ally O'Neill, 2022, Individual project
 Joseph Spindler, 2022-23, North Deer Lake Team

Undergraduate Independent Study

Zoie Schafer, 2022-present, Vernal pool project
Jacob DeVries, 2019, Otter Tracking
Marisa DeMario, 2019, Otter Tracking

Undergraduate Teaching Assistantships

Ande Norton, 2016, Botany Lab
Thomas Dixon, 2014, 2015 & 2016, Botany Lab
Kaitlyn Kogut 2015 & 2016, Botany Lab
Amber Peabody, 2015, Botany Lab
Olivia Olsen, 2013, Botany Lab
Mary Wichuta 2014, 2015 & 2016, Botany Lab
Allison Wysocki, 2014, 2015 & 2016 Botany Lab
Anna Buckardt, 2013, Botany Lab
Jade Ortiz, 2013, Botany Lab
Joshua Papacek, 2013, Botany Lab
Holly Loper, 2013, Botany Lab
Marc Madigan, 2011, Principles of Biology Lab
Kelly Gunns, 2009, Botany Lab
Sally Sanderson, 2009, Botany Lab
Dave Fenlon, 2009, Botany Lab
Aaron Wuori, 2009, Botany Lab
Jill Sekely, 2009, Botany Lab
Paige Beilfuss, 2009, Botany Lab
Ashley Maney, 2009, Botany Lab
Lauren Dedow, 2009, Botany Lab
Heather Vingness, 2009, Botany Lab
Kayla Griffiths, 2009, Botany Lab
Chelsea Lurn, 2009, Botany Lab
Kate Pote, 2009, Botany Lab

Biological Sciences Learning Center Coaches

Morgan Charbonneau 2016
Maya Braden 2016
Ciera Danen 2016
Dane Wuori 2016
Elizabeth Scaife 2016
Joshua Kohlhase 2016
Elizabeth Champagne 2015-2016
Miranda Sauter 2015-2016
Alexander McQueeney 2016
Virginia VanVianen 2015-2016
Ashley Veale 2015-2016
Ian Greenlund 2014-2016
Thomas Dixon 2015-2016
Caycie Bray 2013-2016
Alex McQueeney 2014-2016
Madelyn Wohlfeil 2014-2016
Courtney DeCramer 2014-2016
Amber Peabody 2014-2016
Brittany Erickson 2014-2015
Rebecca Mills 2013-2015
Valerie Taglione 2013-2015
Abigail McCall 2013-2015
Jade Ortiz 2013-2015
Danna Kasom 2012-2014
Kevin Clover 2012-2013
Nico DelPiccolo 2011-2013
Joshua Papacek 2011-2013

Julie Dau 2011-2013
Andrew Pap 2011-2013
Phillip Mercier 2009-2012
Erin Lehnert 2009-2012
Faith Lambert 2009-2012
Jessi Thoresen 2009-2012
Samantha Kerlin 2009-2012
Emily Bushie 2009-2011
Dave Fenlon 2008-2011
Mary Kennedy 2009-2011
Andrea Wodzinski 2009-2011
Kate Pote 2008-2011
Paul Valencia 2008-2011
Kelsey Cox 2008-2010
Scott Michels 2008-2009

Graduate Independent Study

Jeffrey Selan, 2019, Otter Tracking

Graduate Committee

Diane Nelson, 2016, M.S. Biological Sciences

Graduate Teaching Assistantships

Christopher Adams, 2016, Botany Lab
Jeffrey Kiiskila, 2015 & 2016, Botany Lab
Ramana Pidatala, 2014, Botany Lab
Alex Bales, 2014 & 2015, Botany Lab
Jamie Olson, 2013, Botany Lab
Martin Hobmeier, 2013, Botany Lab
Tony Matthys, 2012, Botany Lab
Ashley Coble, 2012, Botany Lab
Srinivasa Sripathi, 2011, Principles of Biology Lab
Claire Doskey, 2010, Principles of Biology Lab
Kefeng Li, 2009, Botany Lab; 2010 & 2011, Principles of Biology Lab
Stacey Frankenstei-Markon, 2009, Botany Lab

PROFESSIONAL MEMBERSHIPS AND SERVICE

IUCN Otter Specialist Group 2021-present; Newsletter editor/contributor 2022-present
International Association for Landscape Ecology 2020-present
Great Lakes Restoration Initiative Terrestrial Connectivity Working Group 2019-present
Martes Working Group 2018-present; Newsletter Co-editor 2019-present
The Wildlife Society (Spatial Ecology/Telemetry & Molecular Ecology Working Groups) 2012-present

VOLUNTEER WORK

Conservation Data Lab, 2020-2022, Marquette, MI
Partners for Watershed Restoration Steering Committee, 2016-2021, Western Upper Peninsula, MI
Golden-Winged Warbler Banding/Geotracking, 2015-2016, Houghton County, MI
Copper Country Audubon Breeding Bird Survey, 2011-2013, Hancock, MI
Saw-whet Owl Banding, 2010, Hawk Ridge, Duluth, MN
Wood Turtle Mark & Recapture, 2006, Ottawa National Forest, Bessemer, MI
Small Mammal and Marten Trapping, 2003, Chequamegon National Forest, Clam Lake, WI
Breeding Loon Surveys, 2002, Lake Superior State University, Sault Ste. Marie, MI
Frog and Toad Surveys, 2000-2006, Michigan Department of Natural Resources
Prairie Seed Collection, 2000, Nature Conservancy, St. Cloud, MN
Woodcock Netting and Banding, 1998-2000 & 2002, Northern Michigan University, Marquette, MI
Black Bear Radio-tracking, 1997, Hiawatha National Forest, Munising, MI

Marten Tracking and Habitat Use Study, 1996, Hiawatha National Forest, Munising, MI
Peregrine Falcon Nest Monitoring, 1996, Hiawatha National Forest, Munising, MI

TRAINING

Computers and software

Business: Windows (Word, Publisher, Excel, Powerpoint); Mac (Keynote, Numbers, Pages); Google Suite (Calendar, Docs, Forms, Meet, Sheets, Sites, Slides), Zoom, GotoMeeting, Trello, Slack

Statistical: Minitab, SAS, R Studio, R-packages: metafor, ggplot, glm

Spatial and Network Analysis: ArcGIS, QGIS, GPS, Fragstats, Maxent, Conefor
Sensinode, SATScan, igraph, spatstat, raster, MoveVis

Genetic Analysis: Geneious, CERVUS, Structure, landgen, capwire, adegenet

Population Analysis: unmarked, oSCR, MARK, popbio, adehabitat,

Content Management Systems: Blackboard, CANVAS, OUCampus, Github

Academic Software: Degree Audit Reporting System, Banner, BanWeb, Webfocus, ASPIRE

Social Media: Facebook, Twitter, Instagram, Wordpress, YouTube

Creative Software: Photoshop, Lightroom, Illustrator, iMovie, Canva

Creative

Photography (digital, SLR and 4x5 cameras, black/white & color printing processes)

Graphic design (newsletters, brochures, websites, interpretive displays, signs)

SciFund Challenge Video Course

Development

University of Indiana Fundraising School

Education and Pedagogy

Project WET

Project Learning Tree

Project WOW

FERPA

American Meteorological Society Ocean Studies Instructor Training

Michigan Tech Diversity Training

Quality Matters Teaching Online Training

Ecological Society of America 2020 Data Access and Inclusion Faculty Mentoring Network

Michigan Tech Creating Accessible Course Content

Genetics

George Mason/Smithsonian Non-invasive Genetic Techniques Workshop

University of Idaho-Landscape Genetics Course

Natural Resource Management

Forestry and wildlife management techniques

Operation of small motorboats, tractors, manual transmission, canoes, and kayaks

National Park Service Interpretation Training

Michigan Tech and National Park Service Defensive Driving Certification

Natural Resource Conservation Service Bioengineering Training

Michigan Department of Environmental Quality Soil and Sedimentation Training

Michigan State University (MSU) Watershed Management Course

University of Wisconsin Dam Decommissioning Workshop

US Department of Agriculture (USDA) Manure Management Training

MSU, MOSES, and USDA Sustainable Agriculture practices