

Undergraduate Internship Projects Started in the Year 2000

Intern	Advisor/Department	Project Title
Gregory Buckmaster	Jeffry Fuhrmann UD Dept. of Plant and Soil Sciences	The Impact of Alum on Pathogen Survival in Poultry
Jennifer Campagnini	Gerald Kauffman UD Water Resources Agency	The University of Delaware Experimental Watershed Project
Maeve Desmond	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Functional Assessment of Wetlands Using a Hydrogeomorphic Model
Robert Ehemann	Joshua Duke UD Dept. of Food and Resource Economics	A Spatial Analysis of the Distributional Effects of Water Quantity Management
Emily Gonce	James Morrison Hye-Shin Kim UD Dept. of Consumer Studies	Attitudes of Consumers Towards Bottled Water
Jason Hetrick	Anastasia Chirnside UD Dept. of Bioresources Engineering	Feasibility of Using a Fungal Bioreactor In Treating Industrial Wastewater
Leigh Johnson	William Ritter UD Dept. of Bioresources Engineering	Feasibility of Composting Poultry Litter and Food Residuals for Use as a Soil Amendment and Potting Medium
Anna Palermo	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Use of Ectomycorrhiza as a Soil Hydrology Indicator for Wetland Assessments
Melissa Weitz	Mark Radosevich UD Dept. of Plant and Soil Sciences	Biodiversity of the Atrazine Chlorohydrolase (atzA) Gene in Soil Microbial Communities as a Function of Triazine Treatment History

Undergraduate Internship Projects Started in the Year 2001

Intern	Advisor/Department	Project Title
Christina Eckstrand	William Saylor UD Dept. of Animal and Food Sciences	Fate of Microbial Phytase in the Gastrointestinal Tract of Chicks, and Effects on Phosphorus Solubility
Tara Harrell	Gerald Kauffman UD Water Resources Agency	Links between Land Use and Stream Health in the University of Delaware Experimental Watershed
Katie Lemon	Joshua Duke UD Dept. of Food and Resource Economics	An Analysis of Delaware's Groundwater Allocation Laws: Proposing a Plan

Kirsten Lloyd	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Functional Assessment of Wetlands for Mitigation Purposes
John Place	Susan Truehart Garey Kent County Cooperative Extension	A Nutrient Management Program for Delaware Youth
Lindsay Scanlon	Ronald Martin UD Dept. of Geological Sciences	Stratigraphic Analysis of the St. Jones Estuary
Kristin Staats	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Ectomycorrhizal Mantles as Indicators of Historic Hydric Soils

Undergraduate Internship Projects Started in the Year 2002

Intern	Advisor/Department	Project Title
Laura Boyer	Tom Sims UD Dept. of Plant and Soil Sciences	The Chemistry of Phosphorus in the Erodible Fraction of Delaware Soils
Alexander DeWire	Janet Johnson UD Dept. of Political Science	Riparian Buffering Program Implementation Analysis for the Mid-Atlantic Region
Michael League	John Gallagher UD College of Marine Studies	Understanding the Mechanisms of the Spread of <i>Phragmites australis</i> : For Better or for Worse
Kristen Sentoff	Joshua Duke UD Dept. of Food & Resource Economics	Regulating Wetlands in Delaware in a Changing Legal Environment
Aditya Sharma and Bret Strogen	Steven Dentel Pei Chiu UD Dept. of Civil and Environmental Engineering	Accelerated Bioremediation of Wastewater Using Electrode- reducing Microorganisms
Kerrie Smith	James Glancey UD Dept. of Bioresources Engineering	An Autonomous Full Water Column Environmental Monitoring System with Telemetry

Undergraduate Internship Projects Started in the Year 2003

Intern	Advisor/Department	Project Title
Megan Bielawa	Jack Gingrich UD Dept. of Entomology and Applied Ecology	Breeding of Potential West Nile Virus Vectors in Stormwater Ponds and Constructed Wetlands

Kathleen Cormier	Martin Wollaston UD Water Resources Agency	Field Measurements of Non Point Source Pollutant Removal Efficiencies of Stormwater BMPs at the UD Experimental Watershed
Justin Glier	Donald Sparks UD Dept. of Plant and Soil Sciences	Influences of Nitrogen Form on Nickel Accumulation by <i>Alyssum murale</i>
Andrew Joslyn	Steven Dentel UD Dept. of Civil and Environmental Engineering	Enhanced Degradation of Benzoate by Electrode-utilizing Microorganisms
Eric Lang	Judith Denver Marie Stewart USGS, DE Subdistrict	Mapping the Base of Kent County's Unconfined Surface Aquifer
Alice McDermott	Anastasia Chirnside UD Dept. of Bioresources Engineering	Biological and Enzymatic Treatment of a Food Processing Wastewater
Mark Neimeister	Scott Andres Delaware Geological Survey	Nanticoke River Watershed: Total Maximum Daily Loads (TMDL) Program
Kate Schutte	Steven Dentel UD Dept. of Civil and Environmental Engineering	Enhanced Pollutant Biodegradation by Electrode Use
Kristen Sentoff	Gerald Kauffman UD Water Resources Agency	Fairfield Run: An Evaluation of Stream Habitat Restoration at the UD Experimental Watershed
Matt Simon	Eric Wommack UD Dept. of Plant and Soil Sciences	Enumeration of Aquatic RNA Viruses from a Mixed Viral Sample
Judith Walker	Gerald Kauffman UD Water Resources Agency	Blue Hen Creek: An Evaluation of Stream Habitat Restoration at the UD Experimental Watershed

Undergraduate Internship Projects Started in the Year 2004

Intern	Advisor/Department	Project Title
Carol Carlson	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Monitoring and Assessing the Nutrient Status and Overall Health of Freshwater Wetlands
Matthew DeSanctis	Janet Johnson UD Dept. of Political Science	An Evaluation of Water Supply Security in the State of Delaware after September 11, 2001
Steven Ernst	Steven Hastings UD Dept. of Food and	An Analysis of Transboundary Resource

	Resource Economics Gerald Kauffman UD Water Resources Agency	Governance Structure in Relation to the Christina River Basin
Jason Graham	Judith Hough-Goldstein UD Dept. of Entomology and Wildlife Conservation	Biological Control of Purple Loosestrife at Flat Pond: Reclaiming a Freshwater Pond near the C&D Canal
Matthew King	James Glancey UD Dept. of Bioresources Engineering	Design and Field Testing of Advanced Surveillance Systems for Delaware's Shallow Depth Estuaries
David Kleinot	Judith Denver Mark Nardi USGS MD-DE-DC Water Science Center	Potomac River Basin/Delmarva Peninsula Data Retrieval Program (USGS National Water-Quality Assessment Program)
Trevor Knight	Dewayne Fox Maria Labreveux DSU Dept. of Agriculture and Natural Resources	Assessing the Feasibility of Using Fish Assemblages as Indicators of Water Quality in Delaware Streams
Jamie Pool	Judith Hough-Goldstein UD Dept. of Entomology and Wildlife Conservation	Biological Control of Purple Loosestrife: Preventing Wetlands Degradation by an Invasive Plant
Alicia Revis	Dennis McIntosh DSU Dept. of Agriculture and Natural Resources	Design and Field Testing of Advanced Surveillance Systems for Delaware's Shallow Depth Estuaries
Erin Zimich	William Ritter UD Dept. of Bioresources Engineering	Land Application of Wastewater in the Chesapeake Bay

Undergraduate Internship Projects Started in the Year 2005

Intern	Advisor/Department	Project Title
Leslie Carter	Bruce Vasilas UD Dept. of Plant and Soil Sciences	Rain Gardens
Christi DeSisto	Gerald Kauffman UD Water Resources Agency	Delaware River State of the Basin Report 2006: Development of Environmental Indicators
Bailey Dugan	Scott Andres Andrew Klingbeil	Hydrogeology of the Near-surface Aquifers in Sussex County

	Delaware Geological Survey	
Jason Graham	Judith Hough-Goldstein UD Dept. of Entomology and Wildlife Conservation	The Impact of Predation on the Galerucella Beetle, a Purple Loosestrife Biocontrol Agent
Leslie Howe	Mingxin Guo Maria Labreveux DSU Dept. of Agriculture and Natural Resources	Nutrient Release from Mineralization of Poultry Litter under Simulated Field Conditions
Lydia Leclair	Delphis Levina UD Dept. of Geography	Winter Needle Conductance Rates of <i>Pinus strobus</i> L. (Eastern White Pine): Meteorological Conditions and Intraspecific Variability
Matthew Lee	Joshua Duke Rhonda Aull Hyde UD Dept. of Food and Resource Economics	Landowner Perceptions of the Stringency of Water Quality Regulations in Delaware
Matthew Loiacono	Joshua Duke Steven Hastings UD Dept. of Food and Resource Economics	The Impact of the Solid Waste Decision on Isolated Wetlands
Jimit Modi	Herbert Allen UD Dept. of Civil and Environmental Engineering	Kinetics Model for Soil
Jamie Pool	Judith Hough-Goldstein UD Dept. of Entomology and Wildlife Conservation	Biological Control of Purple Loosestrife: Preventing Wetlands Degradation by an Invasive Plant
Brian Rosen	Donald Sparks UD Dept. of Plant and Soil Sciences	Nickel Sorption Kinetics at the Geothite/Water Interface: Effects of Ionic Strength and 2-[N-Morpholino]-ethanesul-fonic Acid (MES)
Carolyn Schnek	William Saylor Michael Persia James Skaggs UD Dept. of Animal and Food Sciences	The Effect of Dietary Level and Source of Copper (Cu) on Broiler Cu Excretion and Movement of Cu through Broiler Excreta Amended Soils
Nancy Scott	Jack Gingrich UD Dept. of Entomology and Applied Ecology	Sustainable, Low-impact Methods for Managing Mosquitoes in Storm Water Ponds
		Detection of Salmonella in Biosolids Using a

Samantha Smith	Diane Herson UD Dept. of Biological Sciences	Combination of Cultural, Molecular, and Immunological Methods
Maia Tatinclaux	John Gallagher Denise Seliskar UD College of Marine Studies	Location and Evaluation of Coastal and Inland Brackish Aquifers for the Support of Halophyte (<i>Kosteletzkya</i>) Oil Production for Biodiesel Fuel Conversion
Katherine Tigani	John Gallagher UD College of Marine Studies	Restoring Coastal Bay Water Quality via Native Eelgrass Micropropagation
Michael Zuk	John Frett UD Dept. of Plant and Soil Sciences	Diversity, Function, and Benefits of Plants Adapted to Flood-prone and Poorly Drained Environments

Undergraduate Internship Projects Started in the Year 2006

Intern	Advisor/Department	Project Title
Jennifer Boutin	David Legates UD Dept. of Geography	The Effect of Proposed Climatic Warming on the Hydrological Cycle
Belinda Gao	Steven Dentel UD Dept. of Civil and Environmental Engineering	Enhanced Pollutant Biodegradation by Electrode Use
Jason Graham	Judith Hough-Goldstein UD Dept. of Entomology and Wildlife Conservation	Predators of Galerucella Beetles, Biocontrol Agents of Purple Loosestrife
Garrett Peters	William Ullman Douglas Miller UD College of Marine and Earth Studies	Groundwater Seepage at Roosevelt Inlet, Delaware
Samantha Smith	Diane Herson UD Dept. of Biological Sciences	Detection of <i>Salmonella</i> in Biosolids Using PCR
Le'Sasha Stewart	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Assessment of Sediment Macro-infaunal Communities Associated with Eastern Oyster (<i>Crassostrea virginica</i>) in Delaware Indian River Bay
Sarah Sturtz	Jack Gingrich UD Dept. of Entomology and Applied Ecology	Sustainable Mosquito Control for Stormwater Ponds
Jarvon Tobias	William Saylor UD Dept. of Animal and Food	The Effect of Dietary Level and Source of Copper on Chemically-defined Fractions of Copper in Broiler Excreta

	Sciences	
Elizabeth Wolff	Scott Andres Delaware Geological Survey	Hydraulic Properties of the Unconfined Aquifer in Southern New Castle County

Undergraduate Internship Projects Started in the Year 2007

Intern	Advisor/Department	Project Title
Sarah Chatterson	Joshua Duke UD Dept. of Food and Resource Economics	Willingness to Pay for Sustainable Agricultural Practices in the Urbanizing Region
Samantha-Jo Ebert	Dennis McIntosh DSU Dept. of Agriculture and Natural Resources	Can a Parabolic Screen Filter Improve the Quality of Water in a Recirculating Aquaculture System?
Adrienne George	Dennis McIntosh DSU Dept. of Agriculture and Natural Resources	Determining the Effect of Various Water Conditioners on Holding Success of Mummichog (<i>Fundulus heteroclitus</i>) in Simulated Commercial Holding Tanks
Jennifer Handlin	Yan Jin UD Dept. of Plant and Soil Sciences	Evaluating the Use of Zerovalent Iron to Remove Pathogens from Water
Janine Howard	Scott Andres Delaware Geological Survey	Effects of Wastewater Disposal on Groundwater Flow in Southern New Castle County
Nathan Kiracofe	Shreeram Inamdar UD Dept. of Bioresources Engineering	Assessment of Baseline Water Quality and Influent Pollutant Source Identification in the Noxontown Pond Watershed, Middletown, DE
Stephen Mayer	Joshua Duke UD Dept. of Food and Resource Economics	Benefit-Cost Analysis of Pelletized Broiler Litter in Agronomic Crop Production and Turf Grass Management
Marie Rivers	Scott Andres Delaware Geological Survey	Hydraulic Properties and Groundwater Flow Modeling of the Unconfined Aquifer in Southern New Castle County
Oluchi Okaegbu	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Viability of Freshwater Mussel (<i>Elliptio complanata</i>) as a Biological Filter for Aquaculture Pond Water Quality
Laura Yayac	Gerald Kauffman UD Water Resources Agency	Stream Restoration of a Piedmont Headwater Stream in the White Clay Creek Wild and Scenic Watershed

Undergraduate Internship Projects Started in the Year 2008

Intern	Advisor/Department	Project Title
Alexandra Barnard	William Saylor UD Dept. of Animal and Food Sciences	Assessing the Presence of Natural Hormones in Litter and Excreta from Broiler Chickens
Christen Dillard	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Water Quality and Bacterial Monitoring at Delaware Inland Bays Oyster Gardening Sites, Delaware
Erin Dilworth	Chris Williams UD Dept. of Entomology and Wildlife Ecology	The Effect of Riparian Forested Corridors on Fish Biodiversity in Suburban and Agricultural Landscapes
Cristina Fernandez	Kyungsoo Yoo UD Dept. of Plant and Soil Sciences	Spatial and Temporal Integration of Pollution History in the Christina River Basin Using Sediment Cores from Bread and Cheese Island
Aaron Gibson	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Effects of Water Quality on Oyster Growth (<i>Crassostrea virginica</i>) in the Floating Oyster Aquaculture Gear in Delaware's Inland Bays
Erin McVey	Steven Hastings UD Dept. of Food and Resource Economics	Delaware Coastal Zone Act's Impact on Water Quality
Rachael Vaicunas	Pei Chiu UD Dept. of Civil and Environmental Engineering	Zero-valent Iron and Other Additives to Enhance Biofiltration of Water
Caitlin Wilson	Steven Dentel UD Dept. of Civil and Environmental Engineering	Exploring Direct Contact Membrane Distillation (DCMD) as for Water Purification
Edwin Wong	Steven Dentel UD Dept. of Civil and Environmental Engineering	Direct Contact Membrane Distillation of Brackish and Contaminated Water Sources for Sourcing Potable Water
Adam Yoskowitz	Kalmia Kniel UD Dept. of Animal and Food Sciences	Removal and Inactivation of Pathogenic Enteric Viruses and Parasites from Water Using Zero-valent Iron

Undergraduate Internship Projects Started in the Year 2009

Intern	Advisor/Department	Project Title
Anna Bevan	Delphis Levia UD Dept. of Geography	Evolution of Dissolved Organic Nitrogen (DON) from the Headwaters to the Catchment Outlet: Sources, Variation with Scale, and Differences with DOC
Victoria Bryan	Steven Dentel UD Dept. of Civil and Environmental Engineering	Direct Contact Membrane Distillation for Production of Potable Water from Deep Saline Aquifers
Megan Furman	Eric Wommack UD Dept. of Plant and Soil Sciences	Microbiome of the Eastern Oyster, <i>Crassostrea virginica</i>
Aaron Hallett	Chad Nelson UD Dept. of Plant and Soil Sciences	Newly Constructed Wetland Management: Year One
Brian Jayne	Anastasia Chirnside UD Dept. of Bioresources Engineering	Development of an Assay to Monitor the Activity of Fungal Enzymes in Soil
Kelsey Lanan	Tom McKenna Delaware Geological Survey	Hydrology of Freshwater Marsh Nature Preserve, New Castle County, Delaware
Emily Olson	Clara Chan UD Dept. of Geological Sciences	Investigation of Source and Dynamics of Bacterial Contamination in a Coastal Lagoon
Jennalee Rufft	Scott Andres Delaware Geological Survey	Physical Characterization of Infiltration Facilities Used for Disposal of Wastewater and Stormwater
Michael Ruppel	Joshua Duke UD Dept. of Food and Resource Economics	Endangered Species on the Delaware River: Ecological, Economic and Institutional Concerns
Suneil Seetharam	Shreeram Inamdar UD Dept. of Bioresources Engineering	Characterizing the Chemistry of Dissolved Organic Matter (DOM) in Watershed Runoff Using Innovative Techniques

Undergraduate Internship Projects Started in the Year 2010

Intern	Advisor/Department	Project Title
Kristin Berry	Katy O'Connell UD CANR Communications	Education and Outreach for the Delaware Wetlands

	Rebecca Rothweiler Delaware DNREC	
Aidan Galasso	Janet Johnson UD Dept. of Political Science	An Analysis of the Impact of Marcellus Shale Development on Water Resources in Pennsylvania
Stephanie Hahn	Anastasia Chirside UD Dept. of Bioresources Engineering	The Use of Recycled Water for Irrigation of Turf and Landscape Plants
Mara Hyatt	Eric Wommack UD Dept. of Plant and Soil Sciences	The Prevalence of Pathogenic Bacteria in Delmarva Waters from a Virus Point of View
Michelle Lepori-Bui	Delphis Levia UD Dept. of Geography	A Watershed Scale Forest Inventory of the Fair Hill Natural Resources Management Area
Kate Miller	Janet Johnson UD Dept. of Political Science	The Impacts of Redefining Navigable Waters under the Clean Water Act
Kevin Myers	Scott Andres Delaware Geological Survey	Characterization of Submarine Groundwater Discharge Sites in a Coastal Lagoon
Jasmine Porter	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Oyster Restoration Efforts at Delaware Inland Bays: Utilizing RIP-RAP as a Substrate for Oysters
Suneil Seetharam	Shreeram Inamdar UD Dept. of Bioresources Engineering	Quality of Dissolved Organic Matter in Runoff from Various Watershed Sources
Courtney Simmons	Steven Hastings UD Dept. of Food and Resource Economics	The History and Effectiveness of Wetland Mitigation
Hannah Starke	Chad Nelson UD Dept. of Plant and Soil Sciences	Resurfacing Silver Brook Stream and Comparison to Connected Water Bodies
Katie Yost	Douglas Tallamy UD Dept. of Entomology and Wildlife Ecology	Assessment of Changes in Invertebrate Populations Resulting from Wetland Restoration

Undergraduate Internship Projects Started in the Year 2011

Intern	Advisor/Department	Project Title
Rebecca Aiken	Jack Puleo UD Dept. of Civil and Environmental	Spatio-Temporal Hydrodynamic Variability in a Small Tidal Creek: DNERR St. Jones Reserve

	Engineering Tom McKenna Delaware Geological Survey	
Amy Cannon	Gulnihal Ozbay DSU Dept. of Agriculture and Natural Resources	Aquatic Health near Wastewater Discharge in Delaware Inland Bays Tidal Canal: Monitoring Heavy Metal Contaminants
Stephen Gonski	Scott Andres Delaware Geological Survey	Characterization of Submarine Groundwater Discharge Sites in a Coastal Lagoon
Chelsea Halley	Gerald Kauffman UD Water Resources Agency	White Clay Creek Wild and Scenic Shad Restoration Project
John Paul Harris	Anastasia Chirnside UD Dept. of Bioresources Engineering	Predation of Bacteria by the White Rot Fungi, <i>Pleurotus ostreatus</i>
Carrie Scheick	Delphis Levia UD Dept. of Geography	Is Atmospheric Deposition and Washoff of Aluminum in Stemflow a Significant Source of Aluminum to Forest Soils?
Nicholas Spalt	Scott Andres Delaware Geological Survey	Hydraulic Properties of the Columbia Aquifer
Kimberly Teoli	James Pizzuto UD Dept. of Geological Sciences	Sediment Transport through Historic Mill Dams of the Christina River Basin
Katie Yost	Doug Tallamy UD Dept. of Entomology and Wildlife Ecology	The Effect of Wetland Restoration on Arthropod Communities

Undergraduate Internship Projects Started in the Year 2012

Intern	Advisor/Department	Project Title
Lindsey Cook	Kalmia Kniel UD Dept. of Animal and Food Sciences	Developing Scientifically-Based Food Safety Metrics for Water Management and Irrigation Methods
Julia Hagemeyer	Eric Wommack UD Dept. of Plant and Soil Sciences	Characterization of Viral Diversity within the Mantel Fluid of the Eastern Oyster, <i>Crassostrea virginica</i>
Kayla Iuliano	Shreeram Inamdar UD Dept. of Plant and Soil Sciences	Water Quality Impacts of Landscape Best Management Practices that Enhance Vegetation

Daniel Kardashian	Tom Sims UD Dept. of Plant and Soil Sciences James Adkins UD Carvel Research and Education Center	Improving Irrigation Management through Soil Moisture Monitoring and Automated Control of Sprinkler and Sub-Surface Drip Irrigation
Tyler Monteith	Joshua Duke UD Dept. of Applied Economics and Statistics	The Returns to Best Management Practices: Evidence from Early Proposals for Nutrient Trading in the Chesapeake Bay Watershed
Timothy Schofield	Susan Barton UD Dept. of Plant and Soil Sciences Jules Bruck UD Dept. of Plant and Soil Sciences	Water Quality Management in Urban Ecosystems
Wendi Xu	Pei Chiu UD Dept. of Civil and Environmental Engineering	Preventing Formation of Toxic Chlorination Byproducts in Water Using Zerovalent Iron

Undergraduate Internship Projects Started in the Year 2013

Intern	Advisor/Department	Project Title
Anna Brady	Anastasia Chirside UD Dept. of Entomology and Wildlife Ecology	Use of the White Rot Fungus as a Fungal Bioreactor to Remove <i>E. coli</i> from Aqueous Dairy Manure Wastewater
Alessandra Ceretto	Eric Wommack UD Dept. of Plant and Soil Sciences	A Biogeographic Investigation of Viral Diversity within the Eastern Oyster, <i>Crassostrea virginica</i>
Naomi Chang	Paul Imhoff UD Dept. of Civil and Environmental Engineering	Exploring the Viability of Biochar to Treat Stormwater
Katherine Junghenn	Delphis Levia UD Dept. of Geography	The Varying Impact of Stemflow and Soil Moisture on the Diversity of Soil Bacterial and Fungal Communities in Relation to Soil Respiration
Kelsey McWilliams	Rodrigo Vargas UD Dept. of Plant and Soil Sciences	Methane and Carbon Dioxide Fluxes in a Watershed
Megan Murray	Joshua Duke UD Dept. of Applied Economics and Statistics	Sustainable Management of Water and Ecosystem Services on a Residential Landscape in Delaware

Alexey Shiklomanov	Delphis Levia UD Dept. of Geography	Acid Neutralization of Stemflow in a Deciduous Forest: The Role of Edge Effects
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Undergraduate Internship Projects Started in the Year 2014

Intern	Advisor/Department	Project Title
Katelyn Csatari	Rodrigo Vargas UD Dept. of Plant and Soil Science	Greenhouse Gas Emissions from Sediments in a Protected Estuary in Delaware
Sandra Demberger	Luc Claessens UD Dept. of Geography	Investigation of Nitrogen in a Mixed Land-Use Watershed
Amanda Doremus	Carmine Balascio UD Dept. of Plant and Soil Sciences	Water Quality Performance for Paired Bioretention Basins
Jessica Fedetz	Jennifer Volk UD Cooperative Extension Marcia Fox Delaware DNREC	Quantifying Conservation Practices in the Chesapeake Bay Basin
Amelia Harrison	Eric Wommack UD Dept. of Plant and Soil Sciences	Fine-scale Temporal Dynamics of Estuarine Virioplankton and Bacterioplankton Populations
Sarah Hartman	Steven Dentel UD Dept. of Civil and Environmental Engineering	Enhanced Pollutant Biodegradation by Electrode Use
Erica Loudermilk	Angelia Seyfferth UD Dept. of Plant and Soil Sciences	Understanding Greenhouse Gas Fluxes in Estuaries
Danielle Notvest	Gerald Kauffman UD Water Resources Agency	Wetland Restoration and Mitigation Banking along the Cool Run Watershed at the UD Farm
Gregory Robinson	Joshua Duke UD Dept. of Applied Economics and Statistics	Procuring Abatement: Cover Crop Cost Heterogeneity and Optimal Policy Design in Delaware
Radhika Samant	Gerald Kauffman UD Water Resources Agency	Wetland Restoration and Mitigation Banking along the Cool Run Watershed at the UD Farm
Christopher Youngquist	Paul Imhoff UD Dept. of Civil and Environmental Engineering	Integrating Biochar Amendments in Green Stormwater Management Systems for Enhanced Nutrient Treatment of Stormwater Runoff

Undergraduate Internship Projects Started in the Year 2015

Intern	Advisor/Department	Project Title
Samuel Dever	Paul Imhoff UD Dept. of Civil and Environmental Engineering	The Effect of Organic Matter on Mineral Weathering
Nicole Golomb	Philip Barnes Institute for Public Administration	Developing a Resource Guide for Funding Community Resilience in Delaware
Xiaolun Guo	Chin-Pao Huang UD Dept. of Civil and Environmental Engineering	Impact of Climate Change on Water Quality: Effect of Temperature on the Kinetics and Thermodynamics of Mineral Solubility
Ryan Hall	Paul Imhoff UD Dept. of Civil and Environmental Engineering	Integrating Biochar Amendments in Green Stormwater Management Systems for Enhanced Nitrogen Treatment of Stormwater Runoff
James Hanes	Scott Andres Delaware Geological Survey	Nutrient Loading and Ecosystem Response in the Murderkill River
Kelli Kearns	Angelia Seyfferth UD Dept. of Plant and Soil Sciences	Biogeochemical Controls on Metal and Nutrient Fluxes in a Protected Estuary in Delaware
Andres Kwart	Anastasia Chirside UD Dept. of Entomology and Wildlife Ecology	Development of a Fungal Biocell Reactor for Treatment of a Food Processing Wastewater
Alyssa Lutgen	Delphis Levia UD Dept. of Geography	The Isotopic Composition of Throughfall in Relation to Drop Size Diameter Distribution
Jillian Matz	Shreeram Inamdar UD Dept. of Plant and Soil Sciences	Pulse of the Watershed: Studying Rapid (Sub-hourly) Changes in Stream Water Quality Using High-frequency, <i>in situ</i> Sensors
Marcos Miranda	Daniel Cha UD Dept. of Civil and Environmental Engineering	Breathable Membrane Enclosures for Fecal Sludge Stabilization: Application in Eco-vapor Toilets
Adam Nesbitt	Lawrence Agbemabiese Center for Energy and Environmental Policy	Application of the DESEU to Water Resources
Margaret Orr	Shreeram Inamdar UD Dept. of Plant and Soil Sciences	Assessing the Impact of Severe Storm Events on Exported Sediment, Particulate Organic Matter, and Nutrients and Stream Water Quality

Erica Rossetti	Gerald Kauffman UD Water Resources Agency	First State National Park: Brandywine- Piedmont Watershed Planning (BPWP)
Samantha Serratore	Gerald Kauffman UD Water Resources Agency	First State National Park: Brandywine- Piedmont Watershed Plan (BPWP)
Nicholas Villari	Amy Shober UD Dept. of Plant and Soil Sciences	Understanding the Role of Ditch Sediments in the Transport of Phosphorus in Agricultural Drainage on the Delmarva
Ha Vu	Deb Jaisi UD Dept. of Plant and Soil Sciences	Remineralization of Organic Matter and Chesapeake Bay Hypoxia