

Department of Technology & Environmental Design

Graduate Student Research Titles

2014-2015

AUTHOR	TITLE
Eric Neff	<i>An Evaluation of the Exchange of Energy and Value in Net Metering in North Carolina (thesis)</i>
Sean Collins	<i>Energy Efficiency in the Kingsport (TN) Housing Redevelopment Authority (KHRA) Riverview Place: Actual versus Predicted (thesis)</i>
Lena Burkett	<i>Reduction in Thermal Resistance of Residential Wall Assemblies Based on Size and Distribution of Voids in Three Types of Insulation (thesis)</i>
Bradley Painting	<i>Modeling Energy Savings of Glazed and Unglazed Collectors Connected to a Thermally Active Floor (thesis)</i>
Jacob H. Smith	<i>Evaluation of the Integrated Design Experience (IDEX) Lab: An Alternative Instructional Strategy for Preparing Undergraduate Students in Construction Industry-Based Academic Programs</i>
Joseph Davis	<i>Using Microalgae for Biosequestration of CO₂</i>
Joshua L. Smith	<i>Short Time Interval Analysis of Solar Irradiance in Boone, North Carolina</i>
Mark Bridges	<i>Campus and Community: Revitalization and Utilization of West Howard Street in Boone, North Carolina</i>
Chase Ambler	<i>Comparison of Operating Costs and Payback Time for Common Domestic Hot Water Heating Options in Boone, North Carolina</i>
Dominick Manusos	<i>Levels of Adoption of Sustainable Technology in North Carolina Technology Education Classrooms</i>
Miranda Harper	<i>Characterization of Biochar and its Effects on the Water Holding Capacity of Loamy Sand Soil: Comparison of Hemlock Biochar and Switchgrass Biochar Characteristics</i>

Department of Technology & Environmental Design

Graduate Student Research Titles

2014-2015

Steven Boedefeld	<i>Indoor Air Quality of Homes With Wood Heat Compared to the Same Homes with Conventional Heating Sources</i>
Alan R. Smith	<i>Feasibility of Using Static Compost Piles to Generate Heat for Greenhouse Applications</i>