

Biological Systems Engineering

2000 Design Projects; Dr. James Wilson, Instructor

Design of an Animal Watering System in Senegal

Seniors: Stephanie Flowers, Amy Breitenwisher and Jen Gregg

Sophomore: Lisa Blake

Faculty Advisor: Dr. Mostaghimi & Tess Wynn

Design of a Bioremediation System for Creosote Clean-up Site

Seniors: Robert Butler, Kate Meleney and Long Truong

Faculty Advisor: Dr. E.R. Collins

Design of Dog Kennel in Roanoke County

Seniors: Becky Winfrey and Amanda Masters

Faculty Advisor: Dr. Mary Leigh Wolfe

Design of a Site Plan for a Small Vineyard

Seniors: Aaron Hofberg and Krissy Yanosek

Faculty Advisor: Dr. Blake Ross

Design of Composting Facility for Virginia Tech

Seniors: Carrie Mero, Cody Reintz

Sophomores: Matt Dudley and Jason Gillenwater

Faculty Advisor: Dr. E.R. Collins

Design of a Processing System to Produce Calcium Magnesium Acetate

Seniors: Tracy Chaney, Shelley Scruggs

Sophomore: Carrie Brady

Faculty Advisor: Dr. Foster Agblevor

Design of a Waste Management System for Virginia Tech Dairy Center

Seniors: Chas Mitchell, Charlie Winter and Chris Villasenor

Faculty Advisor: Dr. Theo Dillaha

Design of a Small Xylitol Production Facility

Seniors: Stefanie Brady and Jerome Gilberry

Faculty Advisor: Dr. Foster Agblevor

Conservation Pond and Wetland Design

Seniors: Teresa Howard and James Tomlinson

Faculty Advisor: Dr. Mostaghimi, BSE Department

1999 Design Projects; Dr. C. Gene Haugh, Instructor

Strubles Creek Bank Stabilization and Wetland Design

Senior: Levi Taylor

Sophomore: Meredith Cook

Faculty Advisor: Dr. Dillaha, BSE Department

Conceptual Site Design for Botetourt County Landfill

Seniors: Jesse Smith and Sean Hoffman
Faculty Advisor: Dr. Wolfe, BSE Department

Design of a Small-scale Pasteurization Unit for Apple Cider

Seniors: Sarah Pettit and Wendy Fullan
Sophomore: Amy Waldmann
Faculty Advisors: Dr. Joseph Marcy, Food Science and Technology
and Dr. Haugh, BSE Department

Rural Recreation Pond Design

Seniors: Daniel Gradishar and Geoffrey Smith
Faculty Advisor: Dr. Marsh, BSE Department

Design of a Water Distribution System Using Mine Water for the Sullivan Community in Dickenson County, Virginia

Seniors: Christine Clegg and Laurie Frondorf
Sophomore: Dyanna Caserta
Faculty Advisor: Dr. Dillaha, BSE Department

Integration of Limiting Factors in Food Processing Machinery

Senior: Brandi Rudolph
Faculty Advisor: Dr. Haugh, BSE Department

Design of Device to Measure Scoopability of Ice Cream

Seniors: Carla Bernal, David Van Deventer
Faculty Advisors: Dr. Haugh and Dr. Wilson, BSE Department

Decontamination of Fruits and Vegetables Using Ozone

Seniors: Jonathan Breedlove and Kevin St. Pierre
Sophomore: Abigaille Laxa
Faculty Advisors: Dr. Joe Eifert, Food Science and Technology and
Dr. Kumar, BSE Department

Water Supply Management for Irrigation and Aquaculture

Seniors: David Beale, Amanda Bourne, and Carolyn Harms
Faculty Advisor: Dr. Blake Ross, BSE Department
Sponsors: Dr. Ryland Edwards, The Oaks Veterinary Clinic,
Smithfield, Virginia.

Selenium Removal From Agricultural Drainage Water

Seniors: Karen Leigh and Stephen Turner
Faculty Advisor: Shannon Fretwell (1998 Graduate of BSE) and
Dr. Dillaha, BSE Department

Design of an Aquaculture-Hydroponic Integrated Bio-System

Seniors: Ryan Sharrer and Rigel Woodside
Faculty Advisor: Dr. Marsh, BSE Department