

**Biological Systems Engineering
1998-1999 Design Projects
C. Gene Haugh**

- Conservation Pond and Wetland Design;** Seniors: Teresa Howard and James Tomlinson
Faculty Advisor: Dr. Mostaghimi, BSE Department
- 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