

SENIOR DESIGN PROJECTS SUPERVISED

- Melissa Mitchell, “UV Resistance of Coated Fabrics for Stadium Covers”, Summer 2003.
- Andrea Janel Smith, “Turfgrass Reinforcement”, Spring 2003.
- Thomas Hogan, “Composite Tree Climber”, Spring 2003.
- Carlos Eduardo Handal, “Recycling of T-shirt Waste, Spring 2003.
- Jason Mattox, “Geocomposite Design”, Spring 2003.
- Kalitha Mitchell, “Carpet Tile Manufacturing Problems”, Fall 2002.
- Eric Chambers, “Composite Baseball Bat”, Fall 2002.
- Jeremy Legg, “Heat Stress Analysis: Making Aubie Cooler”, Fall 2002.
- Paula Bates, “An Examination of Acoustic Textile Structures”, Spring 2002.
- Margaret Harris, “Design of a Polymeric Y Shaped Braided Stent for Aortic Implantation”, Spring 2002.
- Colin Dawson, “The Design, Construction and Testing of Composite Canoes”, Spring 2002.
- Sarah Robinson, “Western Saddle Design”, Spring 2002.
- Dan C. Siggers, “Canine Body Armor”, Spring 2002.
- Leslie Alexander, “Development of Golf Driver Shaft Using Industrial Textiles”, Fall 2001.
- Rebecca A. Bevis, “Interfacial Shear Strength Evaluation of Thermoplastic and Thermoset Resins by the Single Fiber Pullout Test”, Fall 2001.
- Kevin Hughes, “Carbon Composite Billiard Cue”, Spring 2001.
- Meredith Kaye Fetner, “Evaluation of Quality Problems Associated with the Manufacture of Inflatable Evacuation Systems”, Spring 2001.
- Fatma Erdonmez, “Fiber Reinforced Bricks”, Spring 2000.
- Heather M. Anders and Daniel A. Butts, “Fiber Reinforced Concrete”, Spring 2000.
- Mary M. Jacobs, Leia A. Cutcliffe and Ron Levitzke, Jody Aaron, “Composite Golf Club”, Spring 2000.
- Julee E. Diplacido, “Design and Fabrication of a Three Dimensional Woven Fabric Structure Using a Jacquard Loom”, Winter 2000
- Dina R. Tareea, “Composite Bone”, Winter 2000.
- Elizabeth A. Bray, “Braided Tennis Racquet”, Winter 2000.
- Tareek Mohamed, “Permeability of Geotextiles”, Winter 99.
- Leigh N. Haugseth, “Application of Sampling Plan for Codon Airbag Fabric”, Winter 99.
- Robert Gallardo and Dustin Jowers, "Design of a Polymer Stent", Winter 99.
- Jason Eisele, "Puncture Resistant Military Textiles", Winter 99.
- Rebecca Kenney and Charles Moore, "Design and Development of a New Geotextile Structure for Soil Reinforcement", Winter 99.

- Casey Blythe and Wesley Greer, "Incorporating Polypropylene Filament Yarns and Nonwoven Structures for Geotextile Applications", Fall 98.
- Jeannie Stephens, Erica Graves and Ryan Radel, "Composite Bicycle Frame", Spring 1998 (co-advisor with Dr. Gowayed).
- James Collier and Kasey Myers, "Flame Resistant Military Fabrics", Spring 1998.
- Mary Elizabeth Stahr, "Properties of Airbag Fabric Contributing to Strength and Foldability", Winter 1998.
- Paul Roberts, "Geotextile Pullout Test: Study of Geotextile-Soil Interaction", Fall 1997.
- Kenneth Cole and Russell Matoy, "Effects of Forming Fabrics on Paper Formation", Spring 1997.
- Jonathan Douglas and Samuel Mooney, "Design and Development of a Y-Shaped Braided Polyester Aortic Stent", Winter 1997.
- Barclay Payne, "Warp-out Process", Winter 1997.
- Leanna Land, "Design of Polyester Stent for Aortic Implantation", Fall 1996.
- Tara Schaneville and Rotricia Smith, "Design and Applications of Biomaterials for Coronary Artery Reinforcement", Spring 1996.
- Michelle Struth, "Tiger Textiles", Winter 1996.
- Stephanie Carnley, "Computers and Computer Aided Design in the Textile Industry", Winter 1995.
- Coley Jay Smith, "Effects of Fabric Structure on Bending Stiffness", Winter 95.
- Karen Countess, "Performance Comparison of Woven Geotextiles in Fabric-Soil Interaction", Winter 95.
- Keith Rollins, "Adhesion Characteristics of Reinforcement Fabrics to Rubber", Fall 1994.
- Amy N. Goddard, "Ultrasonic Seaming", Spring 94.
- Dayna M. Smith, "Medical Textiles: Design of Absorbency Tester for Medical Toweling", Spring 94.
- Brian Allen, "The Effects of ISO 9000 Quality Systems on Textile Product Quality", Winter 94.
- Mike McCauley and Eva Shelton, "Design and Fabrication of a New Textile Structural Composite Racket", Winter 1994.
- Brian Wingfield, "Pack Design for a 3/4" Laboratory Extruder", Winter 94.
- Thomas L. Pritchard, "The Properties of Non-crimp Fabric Based Composites", Winter 94.
- Westley Mixon, "The Effects of Forming Fabric Design Parameters on Tissue Paper Properties", Spring 93.
- Philip Douglas Tierce, Jr., "The Effect of Forming Fabric Design on Final Sheet Qualities", Winter 93.
- David C. Terrell, "Laminated Textile Structural Composites", Winter 93.