**NATALIE MARTIN**

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**OBJECTIVE**  A materials engineering position where I will apply multidisciplinary training to challenges in product development.

**EDUCATION** **North Carolina State University**, Raleigh, NC

B.S. Materials Science and Engineering, May 2011

3.17/4.00 GPA

Select courses: Materials Characterization, Mechanical Properties, Polymeric Materials, Physical Ceramics, Physical Metallurgy, Materials Engineering Design

Study Abroad: Segovia, Spain, Summer 2008

Explored language, technology, and culture.

**EXPERIENCE** **Polymers Center of Excellence**, Charlotte, NC

Summer Intern, Summer 2010

* Worked on a technical team of scientists and engineers who helped companies identify and solve materials-related problems in the plastics industry.
* Performed ASTM, ISO, and SAE mechanical and physical tests for polymer characterization.
* Managed and maintained precision equipment in the polymer characterization laboratory.
* Composed comprehensive laboratory reports for all tests performed.
* Exposed to a variety of industrial teams, cultures, and challenges.

**Undergraduate Tutorial Center** (NCSU), Raleigh, NC

Tutor, August 2009-May 2010

* Assisted students in Chemistry and Calculus.
* Gained experience teaching and coaching students with different learning styles.

**Analytical Instrumentation Facility (NCSU)**, Raleigh, NC

Undergraduate Research Assistant, August 2008-May 2009

* Provided support to faculty and graduate students conducting research on various polymers.
* Performed sorption experiments; examined water and gas sorption of alpha and gamma cyclodextrin.
* Created FORTAN programs to analyze data.
* Learned how to operate equipment, design analytical experiments, and properly interpret resulting data.

**SKILLS** Computer:FORTRAN, SolidWorks, Maple, website design

Laboratory:tensile and compression testing, heat deflection temperature testing, FT-IR analyzer, melt flow and rheometry, differential scanning calorimeter

**OUTREACH & INTERESTS**

Dean’s List

Materials Research Society – Member, 2009-present

Alpha Omega Epsilon – Industry Liaison, 2009

Undergraduate Research - poster presentation, 2009

Visited technology centers and sites in Spain