

Cassandra K. Conway

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7325 Sycamore Street Unit B
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EDUCATION

Doctor of Philosophy, Biomedical Engineering, Expected May 2019
Tulane University, New Orleans, LA

Bachelor of Science, Biological Systems Engineering; May 2015
Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

HONORS/AFFILIATIONS

Presidential Scholarship Initiative (PSI)	2011-2015
Virginia Tech Alliance for Minority Participation (VT-AMP)	2011-2015
Bonding with Animals through Recreation on Campus (BARC Club)	2014-2015
American Society for Agricultural and Biological Engineers (ASABE)	2015-Present

RESEARCH INTERESTS

Tissue engineering applications in regenerative medicine
The properties of biomechanics in cell scaffolds and their applications in artificial organs

EXPERIENCE

Senior Design Project, Department of Biological Systems Engineering, Virginia Tech and Frito-Lay, Charlotte, NC

Blacksburg, VA, August 2014 – May 2015

- Designed and conducted experiments for creating an automatic de-foaming system that cut foam production
- Increased efficiency and reduced cost in the potato processing line

Chile Study Abroad Program, Pontifical Catholic University of Chile, Santiago, Chile

July 2014 - August 2014

- Lab experience with industrial sized sterilization and cooking equipment
- Developed a prototype breakfast cereal
- Cooperative learning with Nestlé's Research and Development Site in Santiago, Chile and Federico Santa Maria Technical University in Valparaiso, Chile

Assistant, Department of Environmental Health and Safety, Virginia Tech, Blacksburg, VA

August 2011 - May 2015

- Performed fume hood inspections
 - Calibrated and delivered Geiger counters
 - Recorded and organized data using excel
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