International Engineering Internship

About BD (Becton, Dickinson and Company):

BD is a leading global medical technology company that partners with customers and stakeholders to address many of the world’s most pressing and evolving health needs. Our purpose is advancing the world of health. Our focus is: enabling safer simpler and more effective drug delivery; improving outcomes through more accurate, timely and efficient diagnostics; providing tools and technologies to the research community that facilitate the understanding of the cell, cellular, diagnostics and cell therapy; enhancing disease management in diabetes, women’s health and cancer, and infection control; and advancing clinical, laboratory and research practices in emerging markets. BD develops, manufactures and sells medical supplies, devices, laboratory instruments, antibodies, reagents and diagnostic products through its two worldwide segments: BD Medical and BD Biosciences. It serves healthcare institutions, life science researchers, clinical laboratories, the pharmaceutical industry and the general public. BD employs more than 45,000 associates in 190+ countries.

BD Suzhou Plant: Suzhou makes blood tubes for the Preanalytical Systems business, so interns will be exposed to tube and cap molding, additive spray, gel laydown, tube evacuation, and product packaging for the China market. There could be an opportunity to learn about making pen needles as part of the Diabetes Care business.

Position Description and Responsibilities: The international engineering intern will be directly involved in the startup of a new plant in Suzhou, China as part of the BD Life Sciences – Preanalytical Systems business.

- Support manufacturing operations in meeting goals of output, efficiency, waste and overall cost targets
- Analyze production output, waste, efficiency and any quality issues to identify areas for improvement
- Use engineering skills to investigate and resolve manufacturing issues
- Work closely with Worldwide Engineering, R&D and manufacturing plant to ensure robust manufacturability of products through sound engineering
- Put in place permanent fixes, supported by engineering principles to ensure the assembly process is operating at an optimal level
- Work across functions to ensure high levels of quality in finished product
- Apply six-sigma and lean manufacturing methodologies to ensure optimization of product lines
- Manage projects as required, including assisting in development of machine specifications and acceptance protocols to purchase high-speed automation equipment and manage vendors in the design, development and implementation of automation equipment
- Other duties as assigned by operations and engineering staff.

Education: Must be accepted into one of the BYU engineering and technology programs and preferably have completed the junior core requirements for your major.

Skills and Abilities:

- Strong foundational engineering and technology skills.
- Proficient Mandarin Chinese speaking abilities would be a plus.
- Must be able to communicate clearly and effectively in both written and oral form.
- Strong organizational and time management skills. Must be able to manage multiple projects at once.
- Ability to act in a leadership role.
- Must have a positive demeanor that fosters good morale and positive attitudes among coworkers.
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Expected Learning for Candidate: Suzhou plant 3 is a new manufacturing site and as such offers an exceptional opportunity for a highly motivated, self-directed individual to make significant contributions while building experience in.

- Working knowledge of BD Life Sciences-PAS products
- Opportunity to travel and support BD manufacturing plant located internationally
- Exposure to molding, assembly, and packaging
- Start-up of new manufacturing processes
- Design for Six Sigma or 8D methodologies; Design of Experiments, PFMEA, Measurement Systems Analysis, etc.
- Project leadership and management skills
- Hands on engineering experience
- Effective interaction with peers, managers, and multiple sites
- Experience working with multifunctional teams within BD as well as with vendors outside of BD

Start Date: May 2016 (Anticipated duration of 3 to 4 months)

Compensation: Round trip international airfare (economy class) and a monthly stipend to help cover the cost of housing, food, transportation and miscellaneous expenses.

Application Process: Apply via BYU’s Bridge (e-recruiting) system and include an updated resume and cover letter. For additional information contact Gregg Warnick (Director, BYU Weidman Center for Global Leadership) at gmw@byu.edu. BD Sponsor is Antony Kushner.

Note: Students selected for the international internship must register for the Weidman Center Global Internship and have international health insurance (HTH) for the duration of your international assignment.