BD Biosciences, a segment of BD, is one of the world’s leading businesses focused on bringing innovative research and clinical tools to life scientists and clinicians. Principal product lines include fluorescence activated cell sorters and analyzers; cell imaging systems; monoclonal antibodies and kits; research reagent systems; tools to aid in drug discovery and growing tissue and cells; and diagnostic assays. Its customers are involved in basic research, the discovery and development of drugs and vaccines, clinical trials, diagnostic testing and disease management. This diverse customer base includes academic and government institutions, pharmaceutical and biotech companies, and clinical laboratories. BD Biosciences is an Equal Opportunity/Affirmative Action Employer.

Job Summary:
This is a TEMPORARY 3-MONTH SUMMER INTERNSHIP POSITION at BD Biosciences. Candidates will be students from local universities who are pursuing an applicable degree. This position is expected to implement change, contribute new ideas, and find innovative methods to accomplish goals. The Industrial Engineer (IE) Intern will work on assignments under the guidance of permanent staff and provide hands-on support for process improvement and or floor layouts associated with the manufacturing of complex life science instruments. The IE Intern will need to have the ability to work through adverse situations while building and maintaining good personal relationships.

Essentials functions:

- Provides hands on support for process improvements to the manufacturing assembly and test processes for flow cytometry instrument under the supervision of Staff Manufacturing Engineers.
- Must have the ability to solve problems, and determine root cause of technical issues related to IE (process, time and motion studies, floor or work cell layout, resources capacity, ergonomics and other related improvements). Must be able to implement effective solutions in a timely manner. Issues are typically multi-disciplinary in nature: mechanical, optical, electrical, and fluidic.
- Strives to continuously improve processes in order to achieve optimal efficiency for manufacturing operations.
- Will serve as a member of cross functional project teams. Major objectives may include: product cost reduction efforts, designing processes to improve manufacturing operational efficiency, optimize product design, qualify replacement components, improve product quality, improve customer satisfaction, and reduce manufacturing costs.
- Supports the introduction of new products into manufacturing. Establishes processes and procedures create assembly documentation. Reviews engineering designs and documentation for completeness, clarity and manufacturability. Develops and implements production tooling, test fixtures, equipment, and work cell layout. Participates in setting labor standards. Develops and implements strategies to optimize material and workflow.
• Must be able to develop and maintain good working relationships with internal customers, primarily line level production personnel, other ME's, QA, Planners, Purchasing, R&D and managers.
• Ensures that manufacturing procedures and appropriate levels of process control are in place and meet regulatory GMP's. Brings regulatory compliance questions and issues to the attention of management as necessary.
• Keeps abreast of the basic requirements for compliance in own area of work and complies with those requirements. Participates as required in training on regulatory issues affecting own area of work. Brings regulatory compliance questions/issues to the attention of management.
• Promotes a safe work environment. Provide recommendations on maintaining the safety of the work environment. Participates in Environmental, Health and Safety programs. Addresses corrective actions whenever a hazard is identified. Notifies manager of all observed hazardous conditions or unsafe work practices.

Minimum Requirements:

• Must be currently pursuing Working on a BS degree in Industrial Engineering (third year or higher)
• Must be proficient in the use of personal computers.
• Excellent written and verbal communication skills, must have good interpersonal skills: conflict resolution, negotiation, and the ability work in a team environment

Desirable Qualifications:

• Experience implementing LEAN manufacturing processes
• 6 Sigma green or black belt courses
• Project management courses
• Experience with engineering drawings, Bills of Materials, and operational procedures
• Experience writing and reviewing Engineering Change Orders
• Experience implementing continuous improvement solutions
• Experience developing manufacturing processes, writing procedures, and training assembly personnel
• The ability to assess and resolve problems in a timely manner.
• Familiarity with ISO 9000 standards
• Proficiency with some of the following applications: Pro-E, AutoCAD, MS Access, SAP ERP, Visio.
• Experience supporting some of the following commodities or supplier types: lasers, optical components, fluidic systems, machined parts, sheet metal, cables, PCA's, plastics, power systems, product packaging, turnkey subcontractors, hardware, labeling, bar code systems
  • cGMP familiarity 21 CFR part 820, medical device manufacturing experience