

MERCK FULL-TIME AND INTERNSHIP OPPORTUNITIES

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COMPANY PROFILE

Merck & Co., Inc. Kenilworth, N.J., USA, known as Merck in the United States and Canada, is a global healthcare leader with a diversified portfolio of prescription medicines, vaccines and animal health products. Today, we are building a new kind of healthcare company – one that is ready to help create a healthier future for all of us.

Our ability to excel depends on the integrity, knowledge, imagination, skill, diversity and teamwork of an individual like you. To this end, we strive to create an environment of mutual respect, encouragement and teamwork. As part of our global team, you'll have the opportunity to collaborate with talented and dedicated colleagues while developing and expanding your career.



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VACCINE MANUFACTURING – WEST POINT TECHNICAL OPERATIONS / OPERATIONS DEVELOPMENT PROGRAM

JOB DESCRIPTION

The Associate Specialist, Technical Operations is responsible for providing technical support to the vaccine manufacturing area while actively supporting, participating in and embracing an empowered team culture. This position directly impacts Merck's largest and most complex vaccine manufacturing plant site and offers numerous technical and collaborative opportunities. The successful candidate will also be considered for a rotational opportunity within manufacturing operations to further develop his/her knowledge of the vaccine manufacturing business as well as help position them for future career growth. Future rotational opportunities may include off-shift/off-schedule support.

GENERAL PROFILE

- Contributes to the performance and results of a department
- Provides technical guidance

BUSINESS EXPERTISE

- Applies technical skills to align activities with department objectives

FUNCTIONAL EXPERTISE

- Works as a team member on manufacturing investigations, validation activities and/or process improvement projects
- Has the ability to examine an issue from diverse perspectives (safety, compliance, automation, equipment, process, and people) in order to best understand and resolve the root cause
- Assures consistent application of standardized work, engineering and process tools and procedures
- Assists with and may lead experimental protocols as needed using the Technical Operations lab facilities and/or production equipment at full scale
- Authors and updates technical and manufacturing documents necessary for investigations, process design/definition, engineering studies, process demonstrations, change control and validation
- May participate in regulatory inspection activities for the facility
- Effectively collaborates with peers onsite and above site as required

EDUCATION REQUIREMENTS

- B.S. degree in Engineering or Sciences

REQUIRED EXPERIENCE AND SKILLS

- B.S. degree in Engineering or Sciences
- Communication, leadership and teamwork skills

PREFERRED EXPERIENCE AND SKILLS

- Experience in biologics, vaccine or bulk sterile manufacturing facilities
- Experience using Lean/Six Sigma tools
- Capabilities for managing multiple tasks simultaneously, including leading small projects
- Frequently interacts with employees within own and from other departments

VACCINE MANUFACTURING - WEST POINT TECHNICAL OPERATIONS / OPERATIONS INTERN

JOB DESCRIPTION

The West Point Operations/Technical Operations intern program supports internship with a 10-12 week duration, which will include one or more projects. These positions provide candidates with great personal/career development opportunities, opportunity to work on projects having impact to vaccine manufacturing, and a chance to see if Merck is the right company for their long-term goals. The intern projects can be in one or more of the following areas listed below.

VACCINE MANUFACTURING OPERATIONS SUPPORT

- Work as part of the team manufacturing life-saving vaccines for countries all over the world
- Collaborate with cross-functional teams to improve and/or optimize manufacturing processes
- Support/lead projects directly tied to improving the safety and/or compliance performance of the operations areas

IN-LINE PRODUCT TECHNICAL SUPPORT

- Work with operations and quality groups to maintain products at a high level of performance/compliance through completion of effective investigations, process improvement activities, and other key projects
- Transfer products within Merck's internal manufacturing network
- Execute strategic technical projects to enhance our World Class Supply posture – decrease inventory, shorten cycle times, lower costs

EQUIPMENT AND FACILITIES DESIGN AND CONSTRUCTION

- Design, build, and renovate advanced manufacturing plants, laboratory and office facilities
- Involvement with all phases of project management from the first engineering drawing to the last phase of project start-up

EDUCATION REQUIREMENTS

- Sophomore or Junior level curriculum or higher, working toward BS, MS, or PhD in Chemical, Biochemical, Biomedical, Computer, or Mechanical Engineering or other related science (Chemistry, Biology, Virology, or Microbiology)

REQUIRED EXPERIENCE AND SKILLS

- None

PREFERRED EXPERIENCE AND SKILLS

- Pharmaceutical or Vaccine manufacturing related experience, strong collaboration skills, strong communication skills, lean/Six Sigma experience/knowledge, strong project management skills, knowledge of current Good Manufacturing Practices (cGMPs)

MERCK MANUFACTURING LEADERSHIP DEVELOPMENT PROGRAM

PROGRAM DESCRIPTION

The Merck Manufacturing Leadership Development Program is an entry-level manufacturing and leadership development program designed to develop emerging talent for critical positions of increasing responsibility within the Manufacturing Division while contributing to key business initiatives that help our patients and customers. The unique three-year opportunity allows you to experience the core work necessary to manufacture and supply Merck's products. This track design enables deeper understanding to accelerate contribution. Throughout the program, a deliberate learning and development plan is applied to supplement the rotational experiences, specifically to fortify professional and leadership skills.

PREREQUISITES

- Bachelor's and/or Master's degree with strong preference for majors in: Science, Engineering, and Supply Chain
- Minimum GPA: 3.3 overall, 3.5 in major preferred
- Must be eligible to work in the US without sponsorship
- Must graduate during December 2017 – July 2018 time window
- Must be willing to be assigned to different jobs and different sites including international assignments over the first 3 years of employment (not guaranteed)
- Ideal candidate possesses superior communication and interpersonal skills, a team player with the ability to work independently
- Ideal candidate has demonstrated leadership experience in field of study, extracurricular activity, previous internship or undergraduate research experience

MERCK QUALITY ROTATIONAL PROGRAM IN WEST POINT, PA

PROGRAM DESCRIPTION

The West Point Quality rotational program is a two-year program that will provide experience in the following areas: Quality on the production and laboratory shop floor, Compliance to regulatory guidelines, Regulatory agency and Internal Audit support processes.

This is a cohort program with the first rotation starting at the hub of Quality Assurance in the Internal Audit organization where incumbents will be physically present on the shop floor and assist with improving compliance. The second rotation will depend on business need in operational areas and the incumbent will be responsible for day-to-day quality in-line support.

Each cohort class will have the opportunity to further develop and apply their technical knowledge through a variety of projects and learning opportunities within Manufacturing and/or the Quality Control Laboratories.

PREREQUISITES

- Major in Engineering (all disciplines) or Science (all disciplines)
- Minimum GPA: 3.0 overall, 3.0 in major
- Must be eligible to work in US without sponsorship
- Ideal candidate possesses superior communication and interpersonal skills, is a team player with the ability to work independently
- Ideal candidate has demonstrated leadership experience in field of study, extracurricular activity, previous internship or undergraduate work, or prior work experience
- Candidate must be willing to work off-shift and weekends
- After cohort program, candidate must be willing to remain in the Quality Organization for a minimum of 2 years

MERCK MANUFACTURING DIVISION (MMD)

MANUFACTURING SCIENCE & TECHNOLOGY (MS&T)

NEW PRODUCT COMMERCIALIZATION

Developing and launching Merck's new products. Will provide experience in the following areas: Late-stage process development; Process scale-up; Tech transfer to commercial manufacturing site; Qualification of new products and processes; New technology identification, evaluation, and development.

GLOBAL TECHNOLOGY OPERATIONS

Ensuring supply of Merck's commercial products. Will provide experience in the following areas: Global technical operations centers of excellence, Technical support of commercial products, Start-up and qualification of new commercial products and processes, Continuous improvement and process robustness for Merck's global manufacturing operations, Internal and external manufacturing support.

GLOBAL ENGINEERING SOLUTIONS

Designing and building the technologies and facilities of the future. Will provide experience in the following areas: Conceptual development and design of new, renovation and expansion products, Project construction, Project start-up installation and qualification. This area offers a two-year rotational program for new hires.

WHY MERCK MS&T?

- Make meaningful contributions to human health worldwide
- Solve complex problems, investigate new technologies, and develop technical expertise
- Opportunities for domestic and international travel to Merck sites and partner facilities
- Professional development, including coaching and peer mentoring

MS&T SUMMER INTERNSHIP PROGRAM

- 10-12 weeks in duration at PA/NJ sites, starting end of May/beginning of June
- All assignments are paid positions (interns are paid for Merck holidays)
- Sponsored events, which provide networking and professional development opportunities (Site "open house" with facility tours, Meet & greet with senior executives, 1:1 coaching and mentoring, Poster sessions)

FULL-TIME PREREQUISITES

- Major in Engineering (all disciplines) or Science (all disciplines)
- Minimum GPA: 3.3 overall, 3.5 in major preferred
- Must be eligible to work in US without sponsorship
- Ideal candidate possesses superior communication and interpersonal skills, is a team player with the ability to work independently
- Ideal candidate has demonstrated leadership experience in field of study, extracurricular activity, previous internship or undergraduate work, or prior work experience

MERCK IT EMERGING TALENT ROTATIONAL (ETR) PROGRAM

PROGRAM DESCRIPTION

The goal of the Emerging Talent Rotational (ETR) Program in the Information Technology division is to create a diverse, talented network of IT professionals and business leaders/influencers. The program will offer these individuals a path of differentiated exposure and investment in order to develop their technical, business, and leadership capabilities so that they know Merck's/MSD's business, understand IT processes and will engage meaningfully to help positively affect the company economics and impact the value realization of IT and business solutions.

We are looking for graduates with outstanding academic records of achievement and demonstrated leadership abilities, candidates who are analytical and inquisitive about the interrelationships of various components, and perceptive, quick learners committed to helping to further Merck's vision and mission.

We are also looking for a candidates who are willing to help drive our hub strategy with travel to and/or rotations in our Austin, Branchburg, Prague, and Singapore hubs.

The program allows new hires to experience three rotations over a 2½ -year period (one half year, two full year) in various business areas and work locations. Sample potential locations include NJ, TX, PA, MA, and abroad. Each individual will be partnered with a buddy, a coach, and an executive mentor who will be able to help with acculturation at Merck and career planning. Rotations are assigned based on the individual's development interest, discussions with their mentor, and alignment with business needs.

REQUIRED EXPERIENCE AND SKILLS

- Must be a US citizen, lawful permanent resident of the US or otherwise authorized to work in the US without requiring sponsorship now or in the future
- GPA of 3.0 or higher
- Willingness to potentially rotate through different geographical areas (including but not limited to NJ, TX, PA, MA, and potentially abroad)
- Passion for technology and healthcare
- Superior communication and interpersonal skills
- Team-oriented self-starter
- Demonstrated leadership abilities
- Effectively works under pressure

SAMPLE AREAS OF WORK

- Data Science & Informatics
- Business/Technical Analysis
- Project Management
- Business Analysis/Technical Analysis
- Digital Product Development
- Mobility
- Cyber Security
- Cloud Technologies

EDUCATION MINIMUM REQUIREMENT

- Degree should be in Science, Technology, Engineering, Math, Business, Computer Science (or similar)

GLOBAL ENGINEERING SOLUTIONS DEVELOPMENT PROGRAM

The Global Engineering Solutions Development Program (GESDP) is a two-year program designed for recent college graduates to launch their career with Global Engineering Solutions and Merck's Capital Management Process. New recruits to the program are offered the opportunity to develop their skills in the field of engineering, process design and project management through four challenging assignments in various aspects of the business.

ABOUT GES

Global Engineering Solutions (GES) is responsible for the design and construction of advanced manufacturing facilities and laboratories worldwide. Our goal is to provide premier engineering solutions in the pharmaceutical industry through technical innovation and project management.

DEVELOP

The GESDP offers assignments lasting 3-8 months in a variety of roles:

- Process Design
- Estimating & Controls
- Merck Production Systems (MPS) Engineer
- Automation System Engineer
- Project Management
- Process Design Management
- Other assignments based on personal interest and organizational needs

WHY GESDP?

- Experience multiple roles in a 2-year time frame
- Domestic and international travel to various Merck sites and outside partners
- Exposure to Merck's diversified portfolio of prescription medicines, vaccines and animal health products
- Obtain valuable management experience early on in career

The background is a teal-tinted photograph of a laboratory setting. In the foreground, a row of small glass vials with white caps is visible, slightly out of focus. To the left, a portion of a large, circular piece of laboratory equipment, possibly a centrifuge, is visible. Overlaid on the right side of the image are two large, thin white circles that intersect each other and the background elements.

APPLY NOW

FOR CAREER OPPORTUNITIES, VISIT US AT:
www.merck.com/careers



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