

## NETWORK PARTNERS

# APPRENTICE PROGRAM



## THE PROGRAM

Healthcare packaging is a fast-growing and under-resourced discipline in need of high-performing packaging engineers. Network Partners' Apprentice Program teaches the fundamentals of medical and pharmaceutical packaging engineering. The program utilizes an accelerated format to rapidly bring early stage packaging engineers to a significantly more advanced level. Gaining this foundation and knowledge base would take years in a typical work environment.

## FOUNDATIONAL DEVELOPMENT

- Working knowledge of US and Global packaging regulations
- Medical Device and Pharma packaging configurations and materials
- Testing requirements for regulatory compliance
- Design control, technical documentation, material testing, validation, sterilization and shelf life studies

## HANDS-ON LEARNING

- Study protocols and execute common packaging testing procedures in a packaging test lab
- Real-world knowledge and understanding through simulated exercises
- Exposure to client meetings and supplier business engagements
- Trade show and event participation, gaining current industry knowledge and building a professional network

## BEYOND PACKAGING

- Exposure to functional areas adjacent to packaging: Regulatory Affairs, Labeling, Project Management & Quality Solutions
- Build business acumen and a strong working knowledge of common business tools
- Successful professionals soft skills training: verbal and written communication, business etiquette, organizational understanding

## EMPLOYER BENEFITS

- *The right amount of experience at the right price*
- *Flexible contract assignments*
- *Weekly SME support and mentoring to help move tasks forward*
- *Customized training options to meet client's unique requirements*
- *Apprentices are Network Partners' W-2 employees with full healthcare benefits, paid time off and holiday pay*

## PLAN FOR THE UNPLANNED

For many company's it's not a matter of "if" additional packaging engineering resources are needed, it's a matter of "when" and "how much". The Apprentice program addresses this fundamental disconnect between the work that needs to get done and the manner in which it happens. This accelerated training program provides high performing, productive medical device and pharma packaging engineers to our clients. Let our team be part of your team and complete the work necessary to provide your products to patients.



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## APPRENTICE TRAINING OVERVIEW

### FUNDAMENTALS

- Regulations
- Quality Systems
- Sterilization
- Microbiology and the science of microbial barrier

### BUILDING BLOCKS OF MEDICAL DEVICE PACKAGING

- Design Inputs
- Packaging Materials
- Packaging Types & Configurations
- Testing Procedures & Protocols
- Design Verification
- Design Validation
- Shelf Life

### PHARMACEUTICAL PACKAGING

- Pharma primary, secondary and tertiary packaging configurations and materials
- Delivery system design, validation and commercialization
- Temperature controlled packaging system qualification (thermal packaging)

### COMMERCIALIZATION

- Equipment, IQ/OQ/PQ
- Manufacturing

### BUSINESS ACUMEN

- Fundamentals of business software systems
- Project management overview
- Soft skills for successful business interactions
- Importance of client relationships

## MEET THE APPRENTICE TRAINING TEAM

Network Partners' team of medical and pharmaceutical subject matter experts bring their real-world experience and expertise to the Apprentice Program.



### WES BUSH, CPP

#### APPRENTICE PROGRAM LEADER & PRINCIPAL PACKAGING CONSULTANT

Wes leads Network Partners' Apprentice training program and brings his medical packaging experience and knowledge into the classroom. Working as a packaging engineer for several medical device companies Wes has first hand knowledge of new product development, packaging testing, CAPA remediation efforts and navigating large organizations from a packaging engineer's perspective. As the lead Apprentice Program trainer, Wes covers the concepts of package design and development, packaging configurations and materials.



### JANE SEVERIN, PhD, MBA, CPP

#### VP, TECHNICAL SOLUTIONS

As vice president of technical solutions, Jane brings a wealth of knowledge and a unique perspective to her portions of the Apprentice Training Program. As a veteran of the medical device and pharma packaging industry Jane teaches the Apprentices the ins and outs of industry regulations, quality systems, sterilization, microbiology and the science behind microbial barrier testing and materials.



### KAREN GREENE, CPP

#### VP, CLIENT SOLUTIONS

Thanks to her extensive knowledge and experience in medical and pharma packaging and testing, Karen leads training for writing protocols and procedures, test method execution, design inputs, design verification, design validation and shelf life. Karen ensures the program has a robust hands-on testing component and hosts test method execution events in her Vista, CA testing lab.



### HAROLD REISMAN, CPP

#### DIRECTOR, CLIENT SOLUTIONS

Harold trains the Apprentices in the areas of equipment qualification, IQ/OQ/PQ and works with equipment manufacturers to provide a real world, hands-on experience. Additional training focuses on the flow of packaging materials within a manufacturing operation including, supplier CoCs, incoming inspection methods, BOMs, work instructions, SOPs, in-process testing transferring sterile barrier packaging to secondary and tertiary packaging, pallet configurations and shipment considerations.



### KAREN POLKINGHORNE, MBA

#### EVP

As Network Partners Sales & Marketing leader, Karen teaches the Apprentices about the medical device packaging industry and some key business elements for becoming a successful packaging professional. Business topics covered in the program include building a strong business acumen and working knowledge of common business tools, presentation skills, overview of business interactions with suppliers and tips for successful communications.