

Competencies	
Education	Systems Engineering or similar undergraduate degree
Certifications	None
Key Attributes (experience, skills and technical knowledge)	<p>Required:</p> <ul style="list-style-type: none"> ▪ Knowledge of Solidworks ▪ Demonstrated troubleshooting and root cause analysis skills ▪ Tenacious problem solver, organized, detail oriented ▪ In depth knowledge of manufacturing processes such as machining, injection molding, urethane casting, 3D printing and sheet metal ▪ Knowledge of medical device standards such as IEC-60601-1, ISO 10993 ▪ Knowledge of ASTM standards and testing methods ▪ Competency in mechanical analysis skills such as kinematics, solid and fluid dynamics, heat transfer, material strength ▪ Excellent verbal and written skills. Ability to quickly, clearly, and concisely communicate. ▪ Mechanical aptitude including ability to use common shop tools and measurement equipment <p>Desired:</p> <ul style="list-style-type: none"> ▪ Experience working with MR compatible devices and therapeutic ultrasound devices. ▪ Knowledge of electromechanical design ▪ Experience working with cable assemblies and PCBs ▪ Working knowledge of industrial design ▪ Experience working with sterilization and disinfection methods ▪ Experience with statistical analysis ▪ MRI console operation ▪ Device-compatibility testing with MRI ▪ MR-sequence development ▪ Basic experience with image processing