NeoCoil, LLC is a leader in MRI coils and imaging accessories designed for better patient comfort and experience. Our focus, through innovation and precision, is to engineer and manufacture the highest quality coils and accessories for the medical industry. Due to our growth and continued success, we are seeking an experienced **Electrical Engineer III** to join our team.

This position will help generate best in class, innovative product offerings and assure technical quality excellence, as well as timely completion of project timelines. As an Electrical Engineer III, this position will lead team collaboration with peer engineering teams, manufacturing, suppliers, and customers to drive product designs across all phases of the product life cycle. The Electrical Engineer III will be accountable for aiding the Electrical engineering team’s development, planning, and growth as well as analyzing existing electrical systems, making cost-effective improvements, conducting research, and designing effective test methods.

**Primary Responsibilities:**

- Improves capabilities and skills using review processes and aiding in coaching/mentoring team members.
- Provides leadership, technical direction, and support to engineering team to promptly identify, define and resolve engineering, design, and development issues to meet multiple projects needs and objectives.
- Design and develop products and subsystems, including RF architecture (layouts and simulations), PCBAs, and interconnects, in compliance with the company’s QMS, design, safety, regulatory and customer requirements.
- Interact with suppliers to understand processes/capabilities, requirements, and troubleshooting.
- Work with internal and external customers to ensure designs meet manufacturability, service, and customer requirements.
- Actively contribute to problem solving and continuous improvement activities for both development projects and mature products.
- Generate product design, risk assessments, planning and development ideas while adhering to timelines.
- Support cross-functional collaboration across engineering disciplines (i.e., mechanical, electrical, RF, test, and technicians), program management, service, manufacturing, quality, regulatory, clinical applications, customers, and suppliers.
- Assist in guiding the work of technicians and testers in the development and qualification of new products.
Required Skills and Experience:

- Master’s degree in Electrical Engineering
- Minimum of 8 years’ experience working in a similar industry; medical device or regulated environment.
- Knowledge of MR physics, pulse sequences, and electro-magnetic field theory
- Experience developing RF coils or other medical device products in an MR environment
- Familiarity with lab tools such as network analyzers, spectrum analyzers, oscilloscopes, etc.
- Hands-on experience with MR scanners or NMR spectrometers
- Knowledge of systems engineering, concepts, and processes.
- Experience using simulation tools, such as HFSS, SPICE and MATLAB
- Working knowledge of medical device regulations and standards, such as 21CFR820, MDD 93/421EEC, MDR, MHLW, M0169, ISO13485, IEC60601-1, is advantageous
- Exceptional oral and written communication skills; able to provide direction, organize, prioritize, schedule, negotiate, and communicate relevant project information.
- Must be able to work independently and possess a level of functional expertise necessary to influence and execute technical project delivery.
- Excellent client interface and relationship building experience.
- Ability to change approach or method to best fit the situation.
- Ability to manage competing demands.
- Ability to work collaboratively to develop possible solutions and provide guidance to others in analyzing and solving problems.
- Able to use effective and clear expression when presenting ideas or information.
- Possesses ability to think “outside the box.” Comes up with new ideas and approaches not readily apparent or previously tried that enhance the organization’s systems or products.
- Provides disciplined thinking that is clear, rational, open-minded and informed by evidence.
- Able to apply, analyze and synthesize information to examine assumptions.

Physical demands: While performing duties of the job, manual dexterity with hands, employee is regularly required to type, sit, stand; walk; use hands to finger, handle; reach with hands and arms; balance; stoop; talk and hear. Employee must have the ability to lift and/or move up to 30 pounds. Specific vision abilities required by the job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

If you are interested in joining a growing organization with a vision for the future, please send us your resume. We are a fast-paced work environment, offering competitive compensation, family-friendly benefits and so much more. Please visit www.neocoil.com for more information. Interested applicants should submit a cover letter and resume, including salary requirements, to barb.woodruff@neocoil.com.

NeoCoil LLC is committed to a policy of equal employment opportunity. The Company conducts all employment practices without regard to race, sex, color, religion, national origin, age, disability, protected veteran’s status, sexual orientation or any other basis prohibited by law. NeoCoil participates in E-Verify.