

Systems Engineer

Company: 3M
Location: KNOXVILLE, US-IA 50138
Req Number: R01080664
Job Posting URL: https://3m.wd1.myworkdayjobs.com/Search/job/US-Iowa-Knoxville/Systems-Engineer_R01080664?source={pipeline_id}
Job Ad Opened: 8/11/2022
Job Ad Expires: 9/11/2022
Description:

Job Description:

Systems Engineer

Collaborate with Innovative 3Mers Around the World

Choosing where to start and grow your career has a major impact on your professional and personal life, so it's equally important you know that the company that you choose to work at, and its leaders, will support and guide you. With a diversity of people, global locations, technologies and products, 3M is a place where you can collaborate with 96,000 other curious, creative 3Mers.

"For more than 30 years at 3M, I've seen firsthand how it's a place where curious, creative and collaborative people thrive and build a rewarding career. As a leader in this company, my goal is to ensure each 3Mer sees and feels the positive impact we're making around the world" – Mike Roman, Chief Executive Officer and Chairman of the board at 3M

This position provides an opportunity to transition from other private, public, government or military environments to a 3M career.

The Impact You'll Make in this Role

As a Control Systems Engineer, you will have the opportunity to tap into your curiosity and collaborate with some of the most innovative and diverse people around the world. Here, you will make an impact by:

- Understanding and integrating with 3M's manufacturing data systems and control systems to provide software tools for data analytics, visualization, and machine learning
- Providing effective control system solutions to a variety of new and existing automated process equipment
- Working in a team environment to successfully meet project milestones
- Leading deployment of Industry 4.0 applications
- Implementing data automation solutions to drive productivity improvement
- Developing and utilizing advanced analytics solutions
- Determining root causes of manufacturing and business problems
- Developing, implementing, and maintaining software and systems for 3M manufacturing environments
- Interacting with Production operations to understand problems and assess the need for smart manufacturing solutions
- Willingness to be on-call (interest question)

Your Skills and Expertise

To set you up for success in this role from day one, 3M requires (at a minimum) the following qualifications:

- Bachelor's degree or higher in Control Systems, Electrical Engineering or Software Development (completed and verified prior to start) from an accredited institution

Additional qualifications that could help you succeed even further in this role include:

- Masters of Science degree in Electrical Engineering or Electrical Engineering Technology
- Five (5) years experience working with machine control system design and commissioning
- Experience with Allen-Bradley and/or Siemens controls systems and hardware
- Experience with PLC, OPC automation and/or robotics
- Manufacturing Execution System (MES) integration experience
- Savigent Software (Symphony Industrial AI) experience
- Database skills with SQL scripts and stored procedures

Travel: May include up to 20% domestic/international

Relocation Assistance: May be authorized

Must be legally authorized to work in country of employment without sponsorship for employment visa status (e.g., H1B status).

Supporting Your Well-being

3M offers many programs to help you live your best life – both physically and financially. To ensure competitive pay and benefits, 3M regularly benchmarks with other companies that are comparable in size and scope.

Resources for You

For more details on what happens before, during and after the interview process, check out the Insights for Candidates page at [3M.com/careers](https://3m.com/careers).

Learn more about 3M's creative solutions to the world's problems at www.3m.com or on Twitter @3M.

Responsibilities of this position include that corporate policies, procedures and security standards are complied with while performing assigned duties.

Our approach to flexibility is called Work Your Way, which puts employees first and drives well-being in ways that enable 3M's business and performance goals. You have flexibility in where and when work gets done. It all depends on where and when you can do your best work.

Pay & Benefits Overview: https://www.3m.com/3M/en_US/careers-us/working-at-3m/benefits/

3M is an equal opportunity employer. 3M will not discriminate against any applicant for employment on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, or veteran status.

Please note: your application may not be considered if you do not provide your education and work history, either by: 1) uploading a resume, or 2) entering the information into the application fields directly.

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application you will be asked to confirm your agreement with the terms.

Skills:

Benefits:

Onet Code: Business and Financial Operations

Classification: PERMANENT

Time requirements: FULLTIME

Compensation: Not Specified

Salary Range: Not Specified - Not Specified

Travel: 0.00 %

Telecommute: 0.00 %