All of the grand challenges facing humanity – ranging from health care to cybersecurity to environmental resilience – have this in common: Solving them will require increasingly sophisticated connections between the cyber and physical worlds.

UVA Engineering is leading the nation in preparing future professionals to tackle these challenges at the interfaces of the cyber and physical worlds. The National Science Foundation Research Traineeship Program at UVA is the first of its kind in the United States. The program is:

**AN OPPORTUNITY TO EARN A PH.D. OR MASTER’S DEGREE IN YOUR ENGINEERING DEGREE PROGRAM, WITH A CYBER-PHYSICAL SYSTEMS FOCUS**

**BASED ON INTEGRATED AND TESTBED-DRIVEN EDUCATION**

**INFUSED WITH EXPERIENTIAL, CONVERGENCE RESEARCH ACTIVITIES, PROFESSIONAL DEVELOPMENT AND INTERDISCIPLINARY RESEARCH PROJECTS**

**COLLABORATIVE, IN PARTNERSHIP WITH LINK LAB FACULTY AND STUDENTS FROM FIVE ENGINEERING DEPARTMENTS**

**CONNECTED TO INDUSTRY, WITH AN INDUSTRY ADVISORY BOARD THAT INCLUDES NORTHROP GRUMMAN, IBM, LEIDOS, NATIONAL INSTRUMENTS, PERRONE ROBOTICS AND AZBIL**

**ABOUT UVA ENGINEERING’S LINK LAB:**

The Link Lab at the University of Virginia is a first-of-its-kind center of excellence in cyber-physical systems research and education, led by researchers who helped establish and define this emerging, global field. More than 30 world-class faculty members and 200 graduate students focus on three areas of cyber-physical systems – autonomous systems, smart cities and smart health.

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