What is Virtual Engineering
Virtual Engineering (VE) is an engineering design decision process primarily driven by analyses carried out in the virtual digital world using computer simulations instead of physical tests. For example, virtual simulations played a primary role in the design process of Boeing Dreamliner 787 or Airbus A380.

Why VE and Why for Veterans
- Develop technical expertise in a highly sought-after discipline
- Apply service and combat related experience with education to drive research to improve future military missions
- Retrain yourself in an area of low physical impact in an exciting engineering career and providing service to the nation
- Translate your service, training, and experience to new military and civilian engineering applications.

Why UNC Charlotte
- One of nation’s most veteran friendly institutions for higher education
- Great supplemental support including one-on-one tutoring and veteran services
- Strong veteran community in College of Engineering
- Availability of a VE Graduate program specially designed for veterans with
  - Combat or service related disabilities
  - Undergraduate degree in any engineering related field including: math, physics and materials science

Other Opportunities
- Limited numbers of veterans-only scholarships, and open-to-all competitive financial aid possibilities, including teaching assistantship available to qualified veterans
- Possibility for high performing veterans in the Master’s program to progress to the Doctoral program

UNC Charlotte, the Veterans Hub
UNC Charlotte, recognized by the U.S. News & World Report as one of the ten most innovative colleges and universities, was founded in 1946 as the Charlotte Center of the University of North Carolina to serve the returning veteran of World War II. Since founding, UNC Charlotte continues to honor its history and roots, and remains committed to serving and supporting veteran students. UNC Charlotte is proud to be recognized by the Military Times as one of 2018’s best colleges and universities for veterans.

The William States Lee College of Engineering at UNC Charlotte currently has 160+ engineering veteran students. UNC Charlotte is located in Mecklenburg county where 55,000 veterans reside, representing 8% of the county’s adult population.

By joining the Virtual Engineering Graduate program at UNC Charlotte, you will be living in a veteran focused community, in a state favored by many veterans.

Who Can Apply
- Veterans with undergraduate degree in Mechanical, Materials, Civil, and Aerospace Engineering.
- Any veterans with other STEM disciplines should see application information.

Research Areas
- Hypersonics
- Aerodynamics and Hydrodynamics
- Impact Response of Materials and Structures
How Do I Apply
Application process is easy. Start the process by contacting Dr. Mesbah Uddin or Dr. Jerry Dahlberg to express your interest.

Dr. Mesbah Uddin
Virtual Engineering Program
E-mail: muddin@uncc.edu
Webpage: https://coefs.uncc.edu/muddin

Dr. Jerry Dahlberg
Veteran Coordinator/ US Army (retired)
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Check Us Out!

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