CARMEL NEESEN (M.S. IHE, 2018, DISTANCE)

"Wright State provided me the ability to advance my career with a MS degree in Industrial and Human Factors Engineering. My advisor worked with me to lay out an education path that took into account my experience as a Six Sigma Black Belt and fit with being a wife, mother, and working full-time with a job entailing 50% travel. The distance option allowed me to complete coursework while maintaining work life balance. My course work at WSU has allowed me to obtain a promotion even though I am only half way through the program!"

NISHITA MOVVA (M.S. IHE, 2016)

“Wright State’s IHE program helped me grow as an individual as well as an Engineer. This course has helped me prepare towards real life industrial experiences. I have been challenged to think out of the box about important mission critical issues. My analytical skills were honed, which also helped me in pursuing a career of my interest. The faculty in this program have galvanized my interest along with changing my perspectives in many ways to promote creative thinking.”

BHARATHWAJ VIJAYAKUMAR (M.S. IHE, 2011)

“The MS in IHE program at WSU helped me to get practical experience with real-world problems and taught me all the necessary skillsets to solve those real-world problems. My thesis was about optimizing surgery scheduling at a VA Medical Center and I gained significant experience and knowledge in optimization after completing my thesis. The only experience I had on my resume was my thesis and I got my first job in marketing just based on the tools and techniques I used in my thesis. I realized the potential of this program only after graduating as I was able to see a great demand for my skillsets in various industries. Now I am working in higher education and soon I will be moving to some other industry as the skills I have learned at WSU has given me a solid foundation.”

RACHEL MANNIX (M.S. IHE, 2016, DISTANCE)

“I started my Master’s degree at Wright a State as soon as I got on active duty. With my long hours and unpredictable work schedule, I knew I needed to be mainly a distance student. For me, Wright State’s online option was the obvious choice. I would be able to enjoy the convenience of online classes while also receiving an A+ education. The teachers were so accommodating with my schedule; and, since I live so close to the school, I was able to meet with them on a regular basis and even attend some classes in-person when my schedule allowed. The amount of class options available gave us students the ability to focus in on what we were most interested in. My Industrial and Human Factors Engineering degree from Wright State was one of the best decisions I’ve ever made, it’s already made me more valuable in the workplace!”
EVER WONDERED...
» How NBA schedules are generated?
» How airline crew and gates are assigned?
» Why do your grandparents have a hard time with technology?
» How do your online orders get delivered to you?
» Why smart phones and tablets are easy to work with?
They are the Industrial and Human Factors Engineers who make all of the above, and much more, possible for us.

WHAT IS INDUSTRIAL AND HUMAN FACTORS ENGINEERING?
An engineering discipline that employs mathematics, science, business, economics, human factors, and social skills to design, develop, and improve complex processes.

WHAT ARE YOUR CAREER OPPORTUNITIES?
100% of our graduates are employed as either
» Process/Manufacturing/Quality Engineer
» Usability/User Experience Professional
» Operations/Management/Data/Business Analyst
Job outlook
» Operations Research Analyst ranked #5 Best Business Jobs by US News
» Starting salaries around $65,000 - $80,000
» Over 3 times more job postings than other engineering disciplines

FAMOUS INDUSTRIAL AND HUMAN FACTORS ENGINEERS
» Tim Cook - CEO, Apple Inc.
» Michael Eskew - Board of Directors, 3M and IBM, former CEO of UPS
» Joe Forehand - Chairman, First Data Corp, and previously Accenture
» Linda Hudson - Former President and CEO of BAE Systems Inc.
» William H. Swanson - Chairman, Raytheon Co.
» Brian Betts - VP of Operations, Walt Disney Parks and Resorts
» Edward Whitacre, Jr. - Former Chairman of General Motors
» Bud Adams - Former Owner of the Tennessee Titans
» Joe Girardi - Manager, New York Yankees

WHERE ARE OUR GRADUATES EMPLOYED?
Honda
Cardinal Health
Kroger
Wright-Patterson Air Force Base
Siemens
LexisNexis
KTH Parts Industries
Vantiv
WestRock
General Electric
Boeing
DP&L

WHY IHE AT WRIGHT STATE?
» Unique features:
  - Peer mentoring
  - SCALE-Up classrooms
  - Student success center
  - Strong inclusive culture
» Experiential learning (industry tours, guest lectures, workshops)
» Distance learning option (entire Masters in IHE degree can be distance, if eligible)
» Practical class projects, internships/co-ops

RESEARCH AREAS
Supply Chain and Logistics
» Distribution planning
» Inventory management
» Facility logistics

Neuroengineering
» Cognitive neuroengineering
» Brain-based learning
» Sensors

Human Performance
» Military
» Transfer of care

User Experience
» Consumer electronics
» Augmented reality
» Usability engineering

Decision Analytics
» Healthcare
» Retail analytics
» Revenue management

GOLD CERTIFIED STUDENT CLUB
» Attend regional and national conferences
» Leadership and networking opportunities
» Fun activities and socials
» Intramural volleyball champions
» Access to educational resources

WHERE EDUCATION MEETS INNOVATION