SCHOOL OF ENGINEERING AND APPLIED SCIENCES

Dr. Stacy Wilson, Director

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Modern society continues to become more dependent on technology. Personal and portable technologies provide people with more capability and connectivity worldwide. Homes become smarter as the number of connected devices grows. The manufacturing process becomes progressively more sophisticated as the technical requirements increase. To meet these challenges, the industry must have access to students who not only have a strong foundation in their discipline but also can apply this knowledge to solve real problems.

The mission of the School of Engineering and Applied Sciences is to educate, engage, and empower students to solve technical problems. The SEAS faculty provide our graduates with knowledge and skills and serve our community stakeholders through applied research and professional activities.

In order to provide students with the necessary skills, the programs in the School of Engineering and Applied Sciences are project-based. Our students have opportunities to engage in project activities throughout the curricula to support design, development, implementation, and troubleshooting.

The School of Engineering and Applied Sciences offers Bachelor of Science degrees in the following areas:

- Architectural Science (reference number 518)
- Civil Engineering (reference number 534)
- Computer Information Technology (reference number 555)
- Computer Science (reference number 629)
- Construction Management (reference number 533)
- Electrical Engineering (reference number 537)
- Engineering Technology Management (reference number 5007)
- Manufacturing Engineering Technology (reference number 5006)
- Mechanical Engineering (reference number 543)

The School of Engineering and Applied Sciences offers a minor in systems engineering (reference number 476). SEAS also offers a certificate in land surveying (reference number 1700).

The School of Engineering and Applied Sciences offers Master of Science degrees in computer science and engineering technology management and a graduate certificate in Lean Sigma.

Degrees

- Architectural Science, Bachelor of Science (518) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/architectural-science-bs/)
- Civil Engineering, Bachelor of Science (534P, 534) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/civil-engineering-bs/)
- Computer Information Technology, Bachelor of Science (555P, 555) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/computer-information-technology-bs/)
- Computer Science, Bachelor of Science (629P, 629) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/computer-science-bs/)
- Construction Management, Bachelor of Science (533) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/construction-management-bs/)
- Electrical Engineering, Bachelor of Science (537P, 537) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/electrical-engineering-bs/)
- Engineering Technology Management, Bachelor of Science (5007) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/technology-management-bs/)
- Manufacturing Engineering Technology, Bachelor of Science (5006) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/manufacturing-engineering-technology-bs/)
- Mechanical Engineering, Bachelor of Science (543P, 543) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/mechanical-engineering-bs/)

Minors

- Computer Science, Minor (341) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/computer-science-minor/)
- Systems Engineering, Minor (476) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/systems-engineering-minor/)

Certificates

- Floodplain Management, Certificate (1763) (Pending Board of Regents Suspension for Fall 2023) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/floodplain_management-certificate/)
- Land Surveying, Certificate (1700) (http://catalog.wku.edu/undergraduate/science-engineering/engineering-applied-sciences/land-surveying-certificate/)

Faculty

Professor

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
Farhad Ashrafzadeh PhD (Electrical and Computer Engineering), The University of Calgary, 1997
Mustafa Atici PhD (Computer Science), University of Nebraska, 1996
Mark E. Cambron PhD (Electrical Engineering), Vanderbilt University, 2001
Warren Campbell PhD (Civil Engineering), Colorado State University, 1984
Anthony M. Doggett PhD (Education and Human Resource Studies), Colorado State University, 2003
Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006
Henry J. Lenoir MS (Mechanical Engineering), University of Tennessee, Knoxville, 1988
Qi Li PhD (Computer Science), University of Delaware, 2006
Shane M. Palmquist PhD (Civil and Environmental Engineering), Tufts University, 2003

Kevin S. Schmaltz PhD (Mechanical Engineering), Carnegie Mellon University, 1997
Huanjing Wang PhD (Computer Science), The University of Alabama, 2005
Stacy Wilson PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1996
Zhonghang Xia PhD (Computer Science), University of Texas at Dallas, 2004
Guangming Xing PhD (Computer Science), University of Georgia, 2001

Associate Professor

Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013
Kirolos M. Haleem Mesiha PhD (Civil Engineering), University of Central Florida, 2009
Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009
Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011
Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
Bryan Reaka PhD (Education (Workforce Education)), Southern Illinois University Carbondale, 2002
Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

Assistant Professor

Benjamin J. Dinan PhD, The Ohio State University Main Campus, 2012
Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015

Instructor I

Ismail Abumuhfouz MBA (Business Administration), Sullivan University, 2009
Brian M. Janes MS (Management of Technology), Murray State University, 2003

Instructor II

Manohar Chidurala PhD (Engineering & Applied Science), University of New Orleans, 2015
Edmund R. Martelli MS (Technology Management), Western Kentucky University, 2010
Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016