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, Bachelor of Science (5007)
- Manufacturing Engineering Technology, Bachelor of Science (5006)
- Mechanical Engineering, Bachelor of Science (543P, 543)
- Technology Management (reference number 575)

The School of Engineering and Applied Sciences offers minors in computer science (reference number 341), systems engineering (reference number 476), and floodplain management (reference number 361). 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/)

### 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) (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**

Gregory K. Arbuckle PhD (Technology Management (Quality Systems)), Indiana State University, 2004
Farhad Ashraffzadeh 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
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**

Shahnaz Aly MARCH (Architecture), Texas A & M University, 1999
Walter L. Collett PhD (Engineering, Electrical Engineering), Tennessee Technological University, 1999
Hanna A. Khouryieh PhD (Food Science), Kansas State University, 2006
Morteza Nurcheshmeh PhD (Mechanical Engineering), University of Windsor, 2011
Bryan Reaka PhD (Education (Workforce Education)), Southern Illinois University Carbondale, 2002
Mark A. Revels PhD (Technology Management, Industrial Training & Development), Indiana State University, 2007
Rong Yang PhD (Computer Science and Engineering), University of Louisville, 2007

**Assistant Professor**

Jeffrey M. Galloway PhD (Computer Science), The University of Alabama, 2013
Bashar F. Haddad PhD (Tech Mgt (Construction Mgt)), Indiana State University, 2007
Kirolos M. Haleem Mesih PhD (Civil Engineering), University of Central Florida, 2009
Kaseem M. Khalil PhD, University of Louisiana at Lafayette, 2021
Osama E. Mansour PhD (Environmental Design), The University of Calgary, 2015
Yaser A. Mowafi PhD (Information Systems), University of Maryland Baltimore Co, 2009
Hamed Nabizadeh Rafsanjani PhD (Engineering), University of Nebraska-Lincoln, 2021
Fatemeh Orooji PhD (Engineering Science, Construction Management), Louisiana State University & A&M College, 2015
Asghar Rezasoltani PhD (Mechanical Engineering), Louisiana State University & A&M College, 2016

**Instructor I**

Manohar Chidurala PhD (Engineering & Applied Science), University of New Orleans, 2015
Brian M. Janes MS (Management of Technology), Murray State University, 2003
Edmund R. Martelli MS (Technology Management), Western Kentucky University, 2010
Jason C. Wilson MS (Engineering), University of Wisconsin-Platteville, 2016