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MERCER **ENGINEERING**

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Located in Macon, Georgia, Mercer's School of Engineering is consistently ranked among the nation's top undergraduate engineering programs by *U.S. News & World Report*. Our students enjoy access to professors who know them personally and a curriculum that delivers exceptional value, both in breadth and depth of its scope.

**MERCER**  
UNIVERSITY

SCHOOL OF ENGINEERING

Moved  
to Solve  
Problems



Moved  
to Ask  
Questions



# MOVES

## THE WORLD

Moved  
to Do  
More



# MOVED TO ASK QUESTIONS

At Mercer's School of Engineering, our commitment to pushing the world forward goes beyond the physical—to the emotional—to the issues, problems, and solutions that move us the most. We combine academic rigor and experiential learning with empathy and compassion—to help some of the best engineers in the country land some of the best jobs on the planet.

## UNDERGRADUATE PROGRAMS

Mercer Engineering takes an interdisciplinary path. All students fulfill a core curriculum consisting of multiple engineering specialties and enjoy the flexibility to declare unique minors and pre-professional tracks.

The Bachelor of Science in Engineering (B.S.E.) is available in seven specializations.

- Biomedical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial Engineering
- Mechanical Engineering

The Bachelor of Science (B.S.) is available in two disciplines.

- Industrial Management
- Human-Centered Information Design and Technology

## GRADUATE PROGRAMS

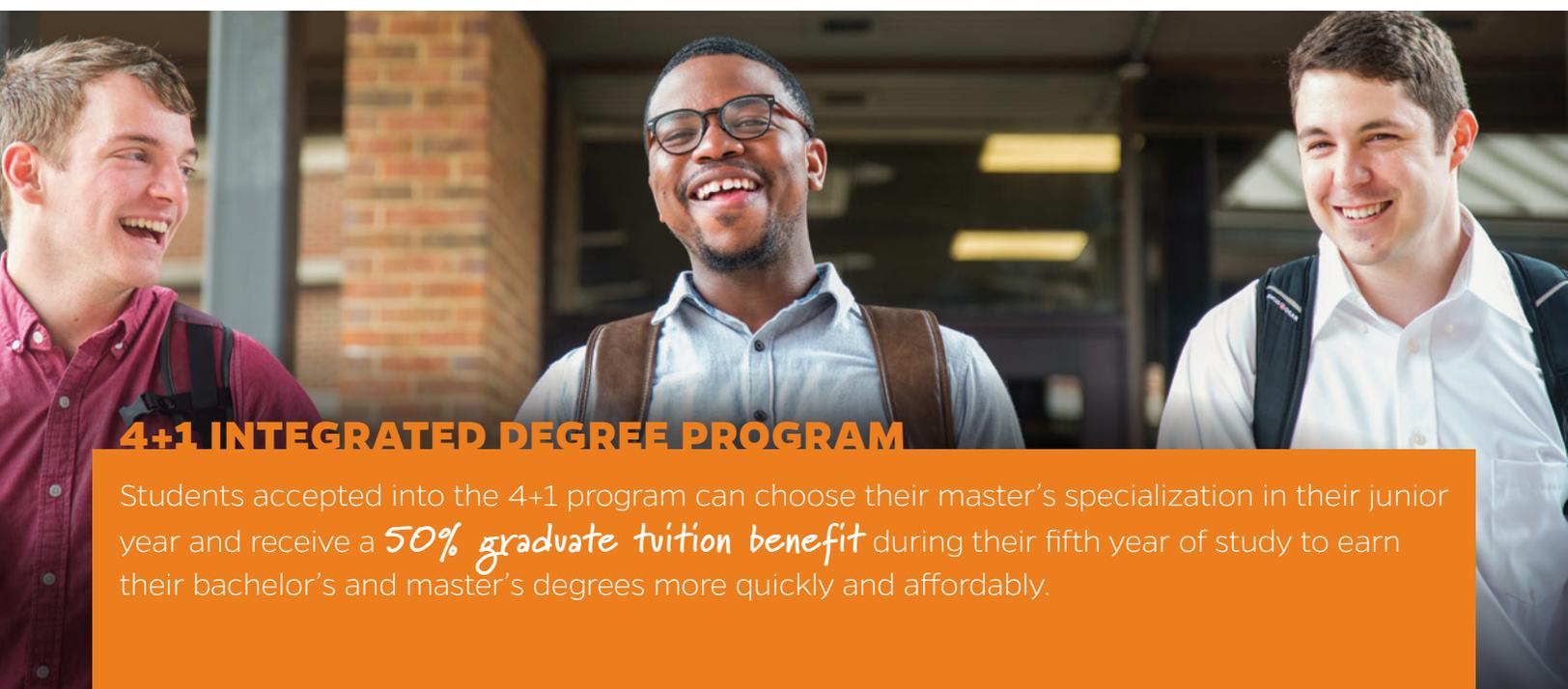
Mercer Engineering is prepared to help you plan for a successful future.

The Master of Science in Engineering (M.S.E.) is available in eight disciplines.

- Biomedical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Management
- Environmental Engineering
- Mechanical Engineering
- Software Engineering

The Master of Science (M.S.) is available in five disciplines.

- Cybersecurity
- Environmental Systems
- Software Systems
- Technical Communication Management
- Technical Management



## 4+1 INTEGRATED DEGREE PROGRAM

Students accepted into the 4+1 program can choose their master's specialization in their junior year and receive a *50% graduate tuition benefit* during their fifth year of study to earn their bachelor's and master's degrees more quickly and affordably.

“ I am grateful to be part of such positive lab environments and know that I would not have had many of the amazing opportunities that have been presented to me without the support of Mercer, Dr. Thomas, Dr. Bowen, and my fellow lab members. These experiences have taught me to be meticulous, dedicated, and to remain passionate about research even when facing challenges.

Lila Turbiville, B.S.E. '27  
Biomedical Engineering Specialization

STAMPS SCHOLAR + MERCER UNDERGRADUATE RESEARCH SCHOLARS (MURS) PROGRAM + AMGEN SCHOLAR AT UNC CHAPEL HILL



Through undergraduate research, **LILA** is working on creating a new type of medical device called a biliary stent, which helps keep bile ducts open so fluids can flow properly. She is designing it using 3D printing, so the stent can expand on its own once inside the body. She is also exploring ways for it to slowly release medicine right where it's needed with the use of computer simulations and lab experiments to test how different 3D-printed materials behave. Her goal is to find safe materials that can both support the bile ducts and deliver targeted treatment for each patient.



WE SUPPORT YOUR CURIOSITY.

### FIRST Robotics Scholarship

Mercer offers a scholarship to recognize students participating on a FIRST Robotics Competition team during their junior or senior year of high school. Each year, five students are selected as FIRST Scholars and are eligible to receive a renewable **\$1,000** scholarship.

### Scholarship for Engineering Education

Funded by the State of Georgia and valued at **\$3,500** per year for up to five years, the Scholarship for Engineering Education (SEE) is a forgivable loan designed for Georgia residents pursuing an engineering degree from a private university in state who commit to working in an engineering-related field in Georgia after graduation.

# MOVED TO SOLVE PROBLEMS

The best engineering isn't just mechanical or technical or intellectual—it's personal. It comes from a desire to help and an impulse to act. It emerges from a perspective that not only sees and analyzes problems, but also discovers creative, empathetic solutions.

MERCER IS ONE OF THE NATION'S LEADERS WITH A TOTAL OF

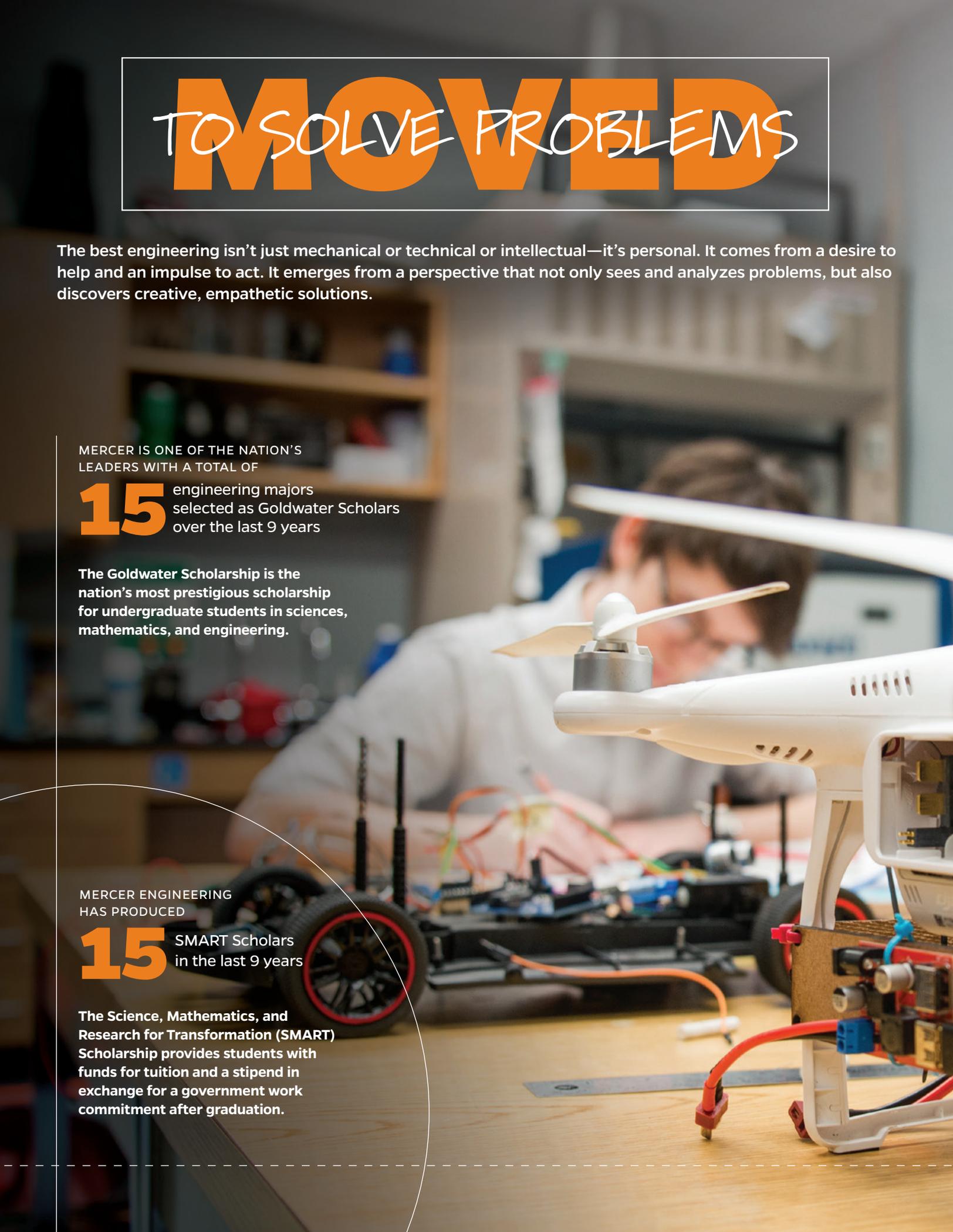
**15** engineering majors selected as Goldwater Scholars over the last 9 years

The Goldwater Scholarship is the nation's most prestigious scholarship for undergraduate students in sciences, mathematics, and engineering.

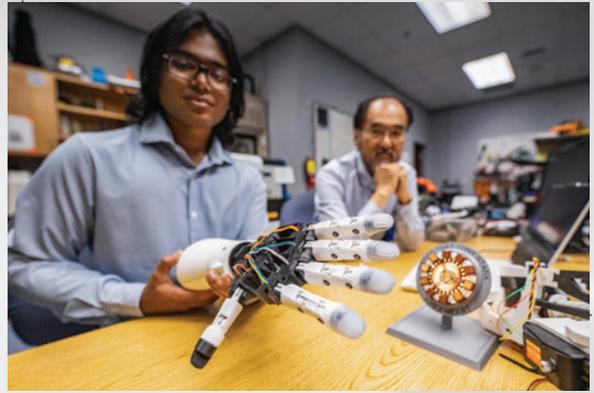
MERCER ENGINEERING HAS PRODUCED

**15** SMART Scholars in the last 9 years

The Science, Mathematics, and Research for Transformation (SMART) Scholarship provides students with funds for tuition and a stipend in exchange for a government work commitment after graduation.



Ayush Sahoo, B.S.E. with a specialization in Computer Engineering, '27 and Dr. Anthony Choi developed a new machine learning framework that is easier for student researchers to implement into existing programming language. The project makes machine learning tasks more efficient and stable for programming. Machine learning is a complex framework of digital information that can be trained to recognize patterns and gather information. Sahoo was able to build the nexus of the framework and develop the tool for use in future machine learning projects, one of which is the “Merbot,” a computer-programmed robot.



## Honors Program

Students invited to the Mercer Engineering Honors Program experience special laboratory sessions and develop close ties with faculty to complete a research or design project.

## Senior Design Projects

During senior year, all undergraduate engineering students complete a year-long project to design a system, component, or process for a real-world client under realistic constraints. Projects culminate with a formal presentation to engineering professors and special guests.

# M O V E D TO DO MORE

At Mercer, we get out from behind our computer screens and immerse ourselves in the world around us. We ask “how can this work better” and then search for answers together. We find what touches our hearts and minds, and then, collectively, we make it with our hands.



### 3D Yearbooks

Since 2018, engineering professors and students have created and presented more than 96 3D yearbooks to seniors at the Georgia Academy for the Blind. These yearbooks are the first of their kind and consist of a board with plastic 3D printings of the students' faces. When students touch the braille nameplates, they're able to recognize each other.

### Engineering for Development

Mercer's Engineering for Development (E4D) program prepares students to become leaders in implementing sustainable solutions for people and the environment, with an emphasis on improving the lives of underserved populations.



### Adaptive Toys

Mercer Engineering is a proud partner of GoBabyGo, a national outreach program that helps provide children with disabilities the opportunity for movement, mobility, and socialization. Through the program, students in the School of Engineering have modified more than 180 battery-powered toy cars to support children and families in the local community.

## Mercer On Mission

From designing a mercury capture system in Peru to fitting amputees in Vietnam with low-cost prosthetics, Mercer On Mission blends study abroad and service-learning to transform the lives of engineering students and the people they serve around the globe.



MERCER ON MISSION  
TEAMS HAVE  
FITTED OVER

**24,000**  
AMPUTEES



“ Having the opportunity to fit prosthetics onto amputees in Vietnam not only changed the patients’ lives, but it changed mine as well. I loved every second of working with patients, forming relationships with them, and just being able to make differences in others’ lives.

*Lena Dykes, B.S.E. '26  
Biomedical Engineering Specialization*

**LENA** is a member of the Phi Kappa Phi Honor Society and the Mercer women’s soccer team. Since coming to Mercer, Lena has participated in Mercer On Mission, served as a Read2Succeed tutor, and volunteered at GoBabyGo events.

# WHERE DO WE GO FROM HERE?

# EVERYWHERE.

With more than 3,000 alumni, Mercer Engineering and its graduates are meeting the critical need for engineers at leading companies throughout the world.

“ My experiences at Mercer trained me to approach problems with an analytical mind and sharpened my skills in technical communication, which I continue to use daily.

*Bradley Ford, B.S.E. '20, M.S.E. '21, Mechanical Engineering*

LOGISTICS ENGINEER, THE HOME DEPOT, ATLANTA, GEORGIA

## EMPLOYERS

- AMAZON
- AT&T
- BLUE BIRD CORPORATION
- CISCO SYSTEMS, INC.
- GENERAL ELECTRIC COMPANY
- MERCER ENGINEERING RESEARCH CENTER
- MICROSOFT CORPORATION
- NORTHROP GRUMMAN CORPORATION
- WARNER ROBINS AIR LOGISTICS COMPLEX



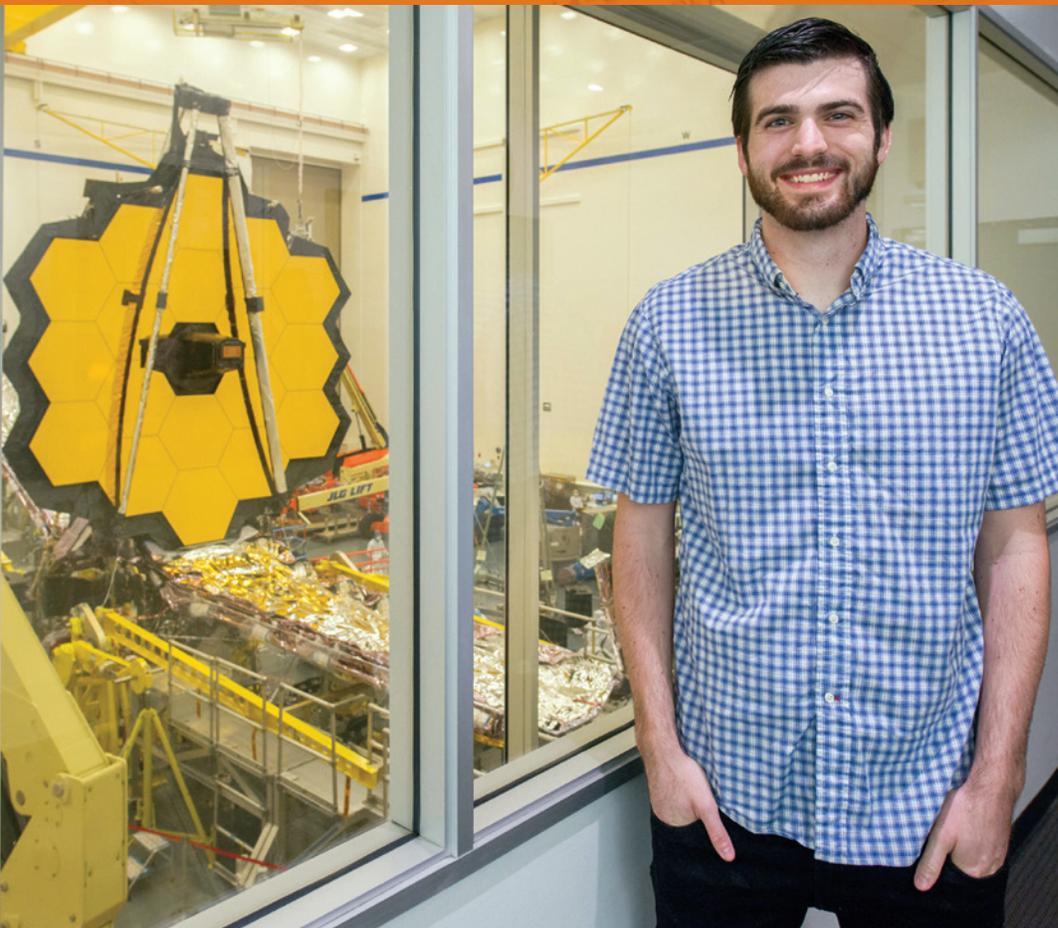
### **Mercer Engineering Research Center**

Located about 20 minutes south of Macon in Warner Robins, the Mercer Engineering Research Center (MERC) employs engineers, scientists, professors, staff, and students, and provides cutting-edge scientific research engineering capabilities for both government and commercial clients, serving a wide variety of needs.

“ Mercer gave me a rigorous engineering degree while also giving me all the joys of being in college and providing me with resources, including career services and amazing relationships.

*Madelyn Thornberry,  
B.S.E. '22  
Computer Engineering  
Specialization*

**SOFTWARE ENGINEER, XBOX  
REDMOND, WASHINGTON**



“ My time at Mercer not only equipped me with the skills I needed to excel in engineering but also surrounded me with professors and peers who invested in me and helped me cultivate a vision for my future.

*Zac Rice, B.S.E. '18  
Computer Engineering and  
Electrical Engineering  
Specialization  
M.S.E. '19  
Software Engineering*

**SYSTEMS TEST ENGINEER, L3HARRIS  
CORPORATION, PALM BAY, FLORIDA**

# Bachelor of Science in Engineering (B.S.E.)

WITH SPECIALIZATIONS IN:

**Biomedical Engineering**

**Civil Engineering**

**Computer Engineering**

**Electrical Engineering**

**Environmental Engineering**

**Industrial Engineering**

**Mechanical Engineering**

# Bachelor of Science (B.S.)

**Industrial Management**

**Human-Centered Information  
Design and Technology**



**MERCER**  
UNIVERSITY

SCHOOL OF ENGINEERING

[engineering.mercer.edu](http://engineering.mercer.edu) | [admissions@mercerc.edu](mailto:admissions@mercerc.edu)















