



MEMPHIS UNIVERSITY

School of Engineering



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ABOUT THE SCHOOL

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About the School

The school of Engineering at Memphis University proudly announces its official launch in September 2026 (Fall 2026) a courageous step toward shaping a new generation of engineers equipped to lead in an era defined by rapid technological advancement, sustainability imperatives, and global transformation.

Built upon a forward-looking vision aligned with 2030 national priorities and 2050 global development roadmaps, the school is designed to be a hub of excellence in education, applied research, innovation, and community service.





Welcome Message from the Dean

Dear Students, Esteemed Colleagues, and Distinguished Guests,

It is with great pride and deep enthusiasm that we welcome you to the opening of the School of Engineering as we embark on this exciting voyage in Fall 2026. Today marks not just the opening of a new academic institution, but the beginning of a transformative vision one that aspires to shape the future of engineering education, innovation, and societal impact.

To our dear students: you are the pioneers of this school. You are not only joining a new institution, but you are also building its legacy. Your ambition, creativity, and determination will define who we are and what we stand for in the years ahead.

Prof. Dr. El-Sayed Mohamed Ahmed Tag El-Din

Dean, School of Engineering, Memphis University





Our Educational Approach

We believe engineers learn best by doing. Our students combine classroom learning with practical experience through laboratories, engineering design projects, internships, research opportunities, and multidisciplinary teamwork. By integrating technology, innovation, and sustainability into every program, graduates develop the technical expertise and professional skills employers value most.

WHY CHOOSE MEMPHIS ENGINEERING?

- Future-focused engineering programs
- Hands-on learning from your first year
- Modern laboratories and engineering workshops
- Experienced faculty with academic and industry expertise
- Industry training and internship opportunities
- Research and innovation projects
- Student competitions and entrepreneurship support
- International collaboration and accreditation ambitions
- Career-focused education aligned with market needs





VISION

To be a distinguished School in educational services and applied research for community service and environmental development in various engineering fields.

MISSION

The School of Engineering is committed to preparing engineering cadres staff capable of creativity and innovation by offering contemporary academic programs that develop their cognitive and skill aspects in a manner that suits the local, regional and international labor market, meets the needs of society and giant national projects, encourages scientific research and applies quality standards in all its academic and service activities.





WHAT WE OFFER

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Available Programs

- 01** Intelligent & Sustainable Civil Engineering
- 02** Digital Architecture Engineering
- 03** Communications & Computers Engineering
- 04** Mechatronics & Intelligent Machines Engineering
- 05** Electrical Power & Renewable Energy Engineering





AVAILABLE PROGRAMS

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PROGRAM 01

Intelligent & Sustainable Civil Engineering

PROGRAM HIGHLIGHTS

- Smart infrastructure and sustainable construction
- Structural engineering and transportation systems
- Green buildings and environmental solutions
- Building Information Modeling (BIM)
- Modern construction technologies

SKILLS YOU'LL DEVELOP

- Structural analysis and design
- Project and construction management
- Sustainable engineering solutions
- Digital engineering tools
- Technical problem-solving





AVAILABLE PROGRAMS

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PROGRAM 02

Digital Architecture Engineering

PROGRAM HIGHLIGHTS

- Digital architectural design
- Smart and sustainable buildings
- Urban planning and landscape design
- BIM technologies
- AI-powered design applications

SKILLS YOU'LL DEVELOP

- Creative architectural design
- 3D modeling and visualization
- Sustainable planning
- Digital design software
- Professional presentation skills





AVAILABLE PROGRAMS

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PROGRAM 03

Communications & Computers Engineering

PROGRAM HIGHLIGHTS

- Artificial Intelligence
- Computer networks
- Embedded systems
- Internet of Things (IoT)
- Cybersecurity fundamentals

SKILLS YOU'LL DEVELOP

- Programming and software development
- Network engineering
- AI applications
- System integration
- Analytical thinking





AVAILABLE PROGRAMS

PROGRAM 04

Mechatronics & Intelligent Machines Engineering

PROGRAM HIGHLIGHTS

- Robotics and automation
- Smart manufacturing
- Industrial control systems
- Sensors and intelligent machines
- Industry 4.0 technologies

SKILLS YOU'LL DEVELOP

- Robotics programming
- Automation systems
- Mechanical and electronic integration
- PLC programming
- Engineering design

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AVAILABLE PROGRAMS

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PROGRAM 05

Electrical Power & Renewable Energy Engineering

PROGRAM HIGHLIGHTS

- Electrical power systems
- Solar and wind energy
- Smart grids
- Energy management
- Sustainable power technologies

SKILLS YOU'LL DEVELOP

- Power system design
- Renewable energy applications
- Electrical network analysis
- Energy optimization
- Engineering safety standards





BEYOND THE CLASSROOM

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Learning Beyond the Classroom

Engineering at Memphis extends beyond lectures. Students participate in:

- Engineering competitions
- Research projects
- Industry internships
- Innovation and entrepreneurship activities
- Community development initiatives
- Technical workshops and seminars





FACILITIES

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Modern Learning Environment

Our students benefit from:

1

Advanced engineering laboratories

2

Smart classrooms

3

Collaborative design spaces

4

Innovation workshops

5

Digital learning technologies

6

Industry-standard engineering software



PART 1 OF 2

Strategic Goals

From day one, the school is committed to excellence, guided by a set of core success pillars that will distinguish us:

PILLAR 01

Academic Excellence and Accreditation

We are firmly committed to achieving national accreditation through NAQAA and pursuing prestigious international accreditations such as ABET and CIAAD. These benchmarks are not merely certifications, they are assurances of quality, global competitiveness, and continuous improvement.

PILLAR 02

Global Partnerships and Dual Degrees

We are actively working toward establishing joint and dual degree programs with top international universities. This will provide our students with global exposure, international recognition, and a competitive edge in the global job market.

PILLAR 03

Innovation, Practice, and Hands-on Learning

The school is investing in a large, well-equipped workspace and advanced workshops designed to transform ideas into reality. We believe that engineering is learned by doing. These facilities will empower you to design, build, test, and innovate.



PART 2 OF 2

Strategic Goals

PILLAR 04

Research, Projects, and Competitive Engagement

We strongly encourage and support student participation in national and international competitions, research initiatives, and funded projects. Opportunities will be available through distinguished bodies such as:

- Science and Technology Development Fund (STDF)
- Information Technology Industry Development Agency (ITIDA)
- Information Technology Academia Collaboration (ITAC)
- Academy of Scientific Research and Technology (ASRT)
- Military Technical School (MTC)
- European Association of Archaeologists instituted the (EAA)
- EU-Egypt Investment Guarantees for Development Mechanism

These platforms will allow you to transform your ideas into impactful solutions and gain recognition beyond the classroom.

PILLAR 05

Industry Integration and Employability

We are committed to building strong ties with industry partners to ensure that your education aligns with real-world needs. Internships, training programs, and industry-led projects will be an integral part of your journey.



LIFE AFTER GRADUATION **17** / 18

Your Future Starts Here

Graduates are prepared for careers in construction, renewable energy, robotics, manufacturing, telecommunications, architecture, IT, and engineering consulting.





Thank You

School of Engineering — Memphis University