

WHY CHOOSE THE UNIVERSITY OF ALABAMA IN HUNTSVILLE?

- ABET-accredited programs preparing world-class ISE professionals.
- Focuses on real-world problem solving across industries.
- Develops expertise in systems, processes, and decision-making.

COLLEGE OF ENGINEERING

- Over 3,000 students
- Strong, collaborative engineering community.

TUITION

- Undergrad: \$11,022/year (in-state, 12-18 creds/2 sem)
- Graduate: \$12,020/year (in-state, 9-15 creds/2 sem)

*College fees, infrastructure fees, parking pass, food and housing are not included.

*Fees can change based on the number of classes.

WHY CHOOSE ISEEM?

- Provides specialized programs in Industrial Engineering, Systems Engineering, and Engineering Management.
- Graduates will be introduced to modern and emerging technologies, leveraging cutting edge-research and the Huntsville engineering community knowledge base, to enable immediately effective engineers.
- In addition to a diverse industry-connected faculty, the department operates ISEEM research labs where both faculty and student researchers do the hands-on work. Many grants, fellowships, and research projects originate directly from the region's aerospace and defense industry, but many more come from government sponsors of small- and large-scale university-based research.

Degree Programs:

- **B.S. in Industrial & Systems Engineering**
- **M.S.E. in Industrial & Systems Engineering**
- **D. Eng. in Engineering Management**
- **Ph.D. in Industrial & Systems Engineering**

Concentrations in Masters & Ph.D. programs:

- Industrial Engineering
- Systems Engineering
- Engineering Management

D.Eng. & Ph.D.

Entry Points:

- Post-BS
- Post-MS

Delivery Methods:

- In Person
- Partially Online
- Fully Online

Research Thrust Areas

- **Digital Systems Engineering**
 - Digital Twin
 - Digital Threads
 - AI-Enabled Digital Engineering
- **Foundations of Systems**
 - Architectural Decision Justification
 - Verification and Validation
 - MBSE
- **Organizational Excellence**
 - Lean Enterprise Systems
 - Leadership, Team Dynamics, and Decision-Making
 - Operational Intelligence and Behavioral Analytics

New Modern Courses

- Fundamentals of Human Systems Integration
- Introduction to Digital Engineering
- Formal Systems Engineering
- Research Foundations
- Research Methods in Engineering and Management

