

METALLURGICAL AND
MATERIALS ENGINEERING

GRADUATE DEGREES



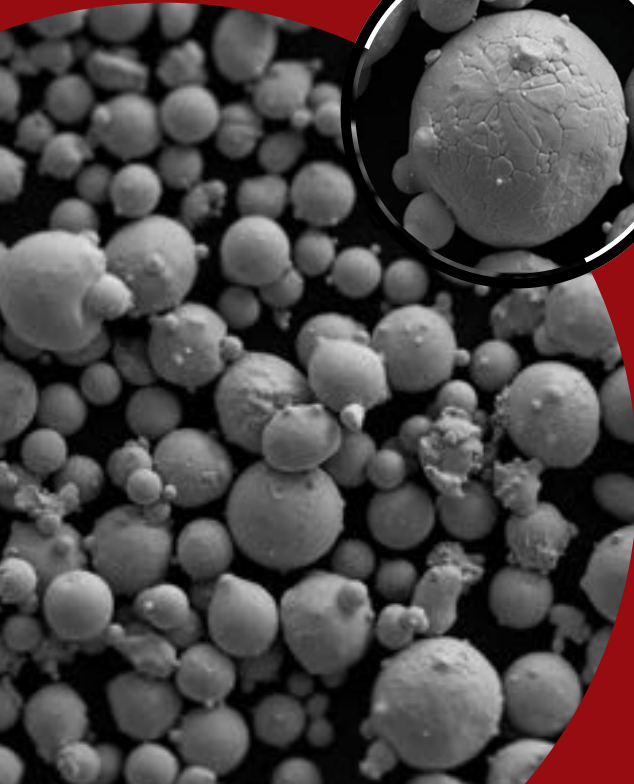
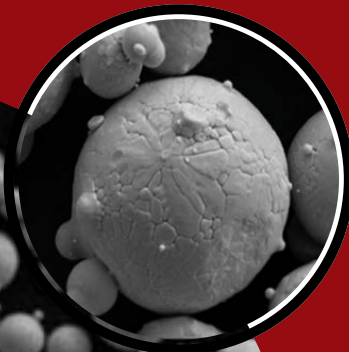
**Metallurgical
Engineering, Ph.D.**



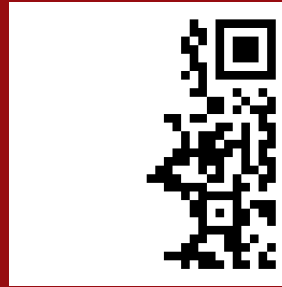
**Materials Science,
Ph.D.**



**Metallurgical
Engineering, MS**



APPLY TODAY!



For additional information, contact:
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THE UNIVERSITY OF
ALABAMA

College of
Engineering



**METALLURGICAL AND
MATERIALS ENGINEERING**

GRADUATE PROGRAMS

RESEARCH FACILITIES

The University of Alabama offers various research centers with state of the art facilities for multidisciplinary collaboration, with many MTE faculty actively involved in these centers.

Center for Advanced Manufacturing and Materials Design Integration (CAMMDI)



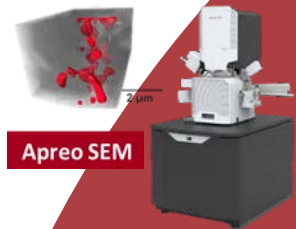
An interdisciplinary research and development Center that consists of world-class expertise in materials, manufacturing, engineering design, business management, and logistics. Facilities include:

Foundry - Atomization - Cold Spray
AFSD - LPBF - Gleeble - EDM

Alabama Materials Institute (AMI)

Core Analytical Facility (CAF): Houses more than \$10 million of analytical microscopy equipment, including (S)TEMs, FIBs, SEMs, XPS, atom probe and microprobe.

Powder Processing Facility (PPF): Provides all necessary equipment for complete powder processing, manufacturing, and prototyping for a range of materials and applications.



MTE STUDENT ACTIVITIES

- ASM INTERNATIONAL
- MATERIALS ADVANTAGE
- AMERICAN FOUNDRY SOCIETY (AFS)
- AMERICAN CERAMIC SOCIETY (ACERS)
- FOUNDRY EDUCATION FOUNDATION (FEF)
- THE MINERALS, METALS AND MATERIALS SOCIETY (TMS)
- ASSOCIATION FOR IRON AND STEEL TECHNOLOGY (AIST)

MTE GRADUATE COURSE CATALOG

- MTE 519 Casting and Solidification Processing
- MTE 539 Metallurgy of Welding
- MTE 549 Powder Metallurgy
- MTE 556 Adv. Mechanical Behavior of Materials
- MTE 562 Metallurgical Thermodynamics
- MTE 579 Advanced Physical Metallurgy
- MTE 583 Advanced Structure of Materials
- MTE 587 Corrosion Science and Engineering
- MTE 655 Electron Microscopy of Materials
- MTE 680 Advanced Phase Diagrams
- MTE 691 Ceramic Materials Processing

