

A close-up photograph of a circular silicon wafer with a grid of small, square, multi-colored chips (yellow, green, blue) mounted on it. The wafer is resting on a white surface, and a microscope is visible in the background.

MATERIALS SCIENCE AND ENGINEERING

*Learn about what you can do here at UC Merced pertaining to our
Materials Science and Engineering program*

EXAMPLES OF INDUSTRIES YOU CAN ENTER:

- Aerospace
- Automotive
- Biotechnology
- Nanotechnology
- Sustainable Energy
- Semiconductor Technology

SAMPLE CAREERS:

- Industrial Engineer
- Test Engineer
- Manufacturing Engineer
- Nanotechnology Engineer
- Quality Control Engineer
- Energy Materials Scientist

TRANSFERRABLE SKILLS AND KNOWLEDGE:

- Research & Development
- Safety Awareness
- Statistical Analysis
- Problem-Solving
- Teamwork
- Technical Writing
- Material Processing Techniques
- Manufacturing Processes
- Quality Management Systems
- Failure Analysis
- Engineering Design Principles
- Intellectual Property

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PREVIOUS INTERNSHIP / JOB HOST SITES FOR BOBCATS IN MATERIALS SCIENCE AND ENGINEERING:

- Lockheed Martin
- County of Sonoma
- Silk Road Medical, Inc.
- Terracon
- Northrop Grumman
- Lythen
- Norman S. Wright
Mechanical Eq. Corp.
- General Motors
- California
Nanotechnologies Inc
- Bogle Family Wine
Collection

ADDITIONAL RESOURCES TO SUPPORT YOU IN GETTING READY FOR THE FIELD:

- Materials Science Faculty
- STEM Center / Tutoring Hub
- Clubs Related to Engineering
- Professional Engineers LLC
- UROC
- VISTA
- SoE Academic Advising
- Machine Shop
- Forage
- Innovate to Grow
- Service Learning
- Bobcat Advising Center

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