

**University of Southern California**  
**VITERBI SCHOOL OF ENGINEERING**

Master of Science in Materials Science  
*Program Learning Objectives*

The purpose of the USC Viterbi School of Engineering Master of Science Degree program in Materials Science is to prepare students for research and development in Materials Science and/or to pursue a Ph.D. degree in Materials Science.

- Upon completion of the USC Master of Science in Materials Science, students will have taken the set of core courses covering the fundamentals of thermodynamics, kinetics, structure, mechanical and electrical properties of materials.
- The degree will prepare students to work as a Materials Scientist developing materials and/or continue for a Ph.D. degree in Materials Science.
- Upon completion of the USC Master of Science degree program in Materials Science, students will be able to engage in continuous personal and professional development through life-long learning.
- Upon completion of the USC Master of Science degree program in Materials Science, students will be able to assume leadership roles in their employment organization.