

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

Master of Science in Computer Science  
Dual Degree with Tsinghua University School of Information Science and Technology  
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Computer Science Dual Degree with Tsinghua University School of Information Science and Technology is to prepare students both deeply and broadly as doubly-credentialed global leaders in computing; for high level professional employment in any sector of computer science related to the design, programming, and application of computing systems; or to pursue advanced graduate studies focusing on related problems in the field. Graduates might pursue computer science-related employment or advanced graduate study in many diverse real-world domains.

- Upon completion of the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology, students will be able to demonstrate deep understanding of both fundamentals and important current issues in computer science.
- Upon completion of the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology, students will be able to demonstrate especially broad understanding of both fundamentals and important current issues in computer science.
- Upon completion of the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology students will be able to apply critical principles and skills pertinent to duties consistent with both credentials in their employment and professional practice.
- Upon completion of the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to duties consistent with both credentials in international and domestic contexts.
- Upon completion of the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology students will be able to work in an academic or professional context both in the United States and in China.
- USC students enrolled in the USC MSCS Dual Degree with Tsinghua University School of Information Science and Technology students will demonstrate understanding of contemporary research questions, results, and areas of application relating to the fundamentals of computing in a computer science context both in the United States and in China.