

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Product Development Engineering
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Product Development Engineering (MSPDE) program is to prepare students for high-level professional employments in relevant industrial sectors that require knowledge and skills in the design, planning, delivery, management, and improvement of technology products, services and systems; and/or to pursue advanced graduate studies focusing on fundamental issues relate to these areas. Graduates from the Technology Track of the MSPDE degree might pursue career opportunities as chief engineers or similar responsibilities in product development teams in companies. Graduates from the Systems Track of the MSPDE degree might pursue career opportunities as project managers or similar responsibilities in product development teams in companies.

- Upon completion of the USC Master of Science in Product Development Engineering, students will be able to demonstrate broad understanding of product development engineering technologies and systems, including soliciting customer voices, identifying design targets, ideating new product concepts, and planning and implementation of these concepts.
- Upon completion of the USC Master of Science in Product Development Engineering program, students will be able to apply critical principles and skills pertinent to Product Development Engineering (PDE) duties as chief engineers and/or project managers in their employment and professional practice.
- Upon completion of the USC Master of Science in Product Development Engineering, students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to Product Development Engineering (PDE) duties in international and domestic contexts.
- USC students enrolled in the Master of Science in Product Development Engineering program will demonstrate understanding of contemporary research questions, results, and areas of application relating to product development engineering technology and systems, particularly with respect to the context of open competitive global markets.