



COLLEGE OF THE  
**EXTENDED UNIVERSITY**  
CAL POLY POMONA

# Professional & Specialty Programs

Construction Management Certificate

Deciphering Construction Plans

Finite Element Analysis Program

Food Safety Program

Landscape Technology Certificate Programs

Plastics Engineering Technology Certificate

Professional Project Management Program

Project Engineer for Construction Mgmt

Six Sigma Program

Supply Chain Management Certificate



INDIVIDUALS LOOKING TO DEVELOP EXPERTISE in a special area of concentration can often add breadth and depth to their existing knowledge through continuing education programs. Our in-depth professional development courses and certificates offer concentrated study areas directly applicable to many professions including construction management, logistics, engineering and more. These programs are taught by highly regarded industry experts as well as university faculty and mirror the Cal Poly Pomona “Learn by Doing” philosophy. Each program is designed to help professionals keep pace with the rapid changes within their industry.

## Construction Management Certificate Program

Whether you want to start a career in construction, increase your present skills and look for job advancement, or plan to start your own business in construction, this program provides a total overview of the construction management and business process. This program integrates current management techniques with technical skills to provide a comprehensive foundation of practical knowledge and professional expertise about all aspects of the construction industry.

## Deciphering Construction Plans

(Stand-Alone Course)

This course is beneficial to both field and office personnel and is designed to provide students with the foundational knowledge of reading and interpreting plans and specifications for construction projects.

## Finite Element Analysis Program

This course is first in the finite element series designed for beginner to intermediate users. This course is ideal for those in aerospace, engineering, manufacturing or construction who are new to finite element analysis. This course is also suitable for those currently using FEA who want to improve their analysis or design skills.

## Food Safety Program

This comprehensive program provides a means for food industry professionals to upgrade their skills and apply their knowledge in order to successfully comply with food safety regulations that are getting more complicated and more stringent. The curriculum is designed to meet the requirements of the USDA, FDA and the Department of Health Services,

pertaining to the manufacturing and handling of safe and wholesome food products. The HACCP Development and Management Certificate is fully accredited by the International HACCP Alliance.

## Landscape Technology Certificate Programs (Evening Classes Available!)

An innovative short-course series designed to educate landscape maintenance personnel, contractors, designers, consultants, landscape managers, residential gardeners and homeowners the use of water conservation techniques in the planning, installation, and maintenance of Southern California sustainable landscapes.

## Plastics Engineering Technology Certificate Program

This certificate program provides practical instruction applicable to materials, processing, product design and tooling. The main emphasis is on practical aspects of Plastics Engineering Technology without being extremely technical so that the knowledge achieved can be applied in day-to-day applications.

## Professional Project Management Program

Participants in the Project Management for Technical Professionals certificate program will gain the skills needed to approach tasks or projects systematically with consideration to time, cost and performance. This course will focus on characteristics of effective project management including defining the goals of a project, designating resources, organizing specific tasks and resources and providing a methodology to the project or task.

## Project Engineer for Construction Management

A must attend course designed for those assisting project managers, estimators and everyone working on, supervising or managing a construction project. Review and interpretation on the construction phase management documents and tools, which are normally the responsibility of the Project Engineer to establish, monitor, and deliver for the proper and timely execution of a construction project.

## Six Sigma Program

Why are companies embracing Six Sigma? What makes this methodology different from the others? How can Six Sigma benefit you and your company?

Applying Six Sigma tools within your company reduces variation, improves processes and increases profit. It is internationally recognized as a methodology for accelerating process improvement in businesses. Motorola first developed the Six Sigma methodology in the eighties, and since its inception has reportedly saved the company billions of dollars. Today, it is extensively adopted by companies of all types and sizes.

## Supply Chain Management Certificate

Supply chain management is one of the most important strategic aspects of any business enterprise. It's getting the right things to the right places at the right times, for profit. Decisions must be made about how to coordinate the production of goods and services, how and where to store inventory, whom to buy materials from and how to distribute them in the most cost-effective, timely manner.

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