

INDUSTRIAL TECHNOLOGY MINOR

Offered at: San Luis Obispo Campus

The Industrial Technology Minor introduces a remarkable interdisciplinary curriculum tailored for students who are not majoring in Industrial Technology and Packaging but are intrigued by the diverse career possibilities within the industrial technology sector.

By embracing this program, students can delve into three distinct cores: product development, supply chain management, and process improvement. Within these cores, students will engage with a spectrum of courses covering technology, product design, manufacturing, lean thinking, quality control, business management, operations management, and supply chain management. These courses collectively give students supplementary knowledge and skills essential for securing roles within industrial technology-oriented companies.

Program Learning Objectives

1. Apply knowledge and skills to identify opportunities and solve problems related to product development and supply chain management.
2. Use appropriate methods and current technology to analyze data and drive decisions related to product development and supply chain management.
3. Evaluate the implications of business, design, science, and technology decisions on society.
4. Recognize the ethical consequences of business, design, science, and technology decisions.
5. Apply sustainability principles to product development and supply chain management.

Minor Requirements and Curriculum

The minor must be completed prior to, or at the same time as, the requirements for the bachelor's degree. A major and a minor may not be taken in the same degree program, and a minor is not required for a degree. Requirements for the minor include:

- At least half of the units must be from upper-division courses (3000-4000 level).
- At least half of the units must be taken at Cal Poly (in residence).
- No more than one-third of the units will be taken with credit-no credit grading (CR/NC), not counting courses with mandatory CR/NC. Departments may further limit CR/NC grading if desired.
- A minimum 2.0 GPA is required in all units counted for completion of the minor.

Code	Title	Units
REQUIRED COURSES		
Select from the following:		6
Product Development Core		
ITP 2233 & ITP 3326	Product Modeling and Communication and Product Design and Development	
Supply Chain Management Core		
ITP 3371 & ITP 4415	Supply Chain Management in Manufacturing and Services and Supply Chain and Logistics	
Process Improvement Core		
ITP 3303 & ITP 4403	Lean Six Sigma Green Belt and Lean and Quality Systems Management	
Approved Electives		
Technology Core		
Select from the following: ^{1, 2}		9
ITP 1125	Introduction to Industrial Technology and Packaging	
ITP 1150	Power Systems and Renewable Energy	
ITP 2211	Industrial Safety and Maintenance	
ITP 2233	Product Modeling and Communication	
ITP 2260	Materials and Manufacturing Technology	
ITP 2275	Industrial Facilities Management	
ITP 3303	Lean Six Sigma Green Belt	
ITP 3304	International Supply Chains	
ITP 3326	Product Design and Development	
ITP 3371	Supply Chain Management in Manufacturing and Services	
ITP 4400	Special Problems for Advanced Undergraduates	

ITP 4403	Lean and Quality Systems Management	
ITP 4406	Business-to-Business Complex Solutions Selling	
ITP 4410	Operations Planning and Control	
ITP 4415	Supply Chain and Logistics	
ITP 4428	Commercialization of Innovation	
Business and Humanities Core		
Select from the following: ²		3-4
BUS 3310	Introduction to Entrepreneurship	
BUS 3311	Managing Technology in the International Legal Environment	
BUS 3382	Leadership and Organizations	
BUS 3387	Organizational Behavior	
BUS 3391	Information Systems	
PHIL 3337	Business Ethics	

Total Units**18**

¹ Courses taken to meet a course requirement cannot be double-counted as a Technology Core elective.

² Additional prerequisites may be needed to complete this requirement.