

B.S. in Industrial Technology Management

Program Description

The Bachelor of Science in Industrial Technology Management degree focuses on operations management, industrial cost analysis, operations research, project management, computer-integrated manufacturing, and production and inventory control.

Delivery Mode

Global Online (100% online)

Associate Degree Requirement

Students in this program need to (1) have completed an associate degree in an industrial technology-related area or approved equivalent (60 credits minimum) or (2) complete such a degree at Cal U while earning this bachelor's degree.

Of the 60 associate degree credits, 30 will be applied to the Cal U requirements in General Education, and 30 credits will be applied to the major requirements. Associate of Applied Science degree programs qualify for admission to this program, provided students have completed algebra, trigonometry and physics. Students who have not taken Statistical Quality Control should do so as a technical elective.

Curriculum

Course	Credits
General Education Courses	42
<i>Building a Sense of Community</i> From Associate Degree	1
<i>Composition</i> From Associate Degree	3
<i>Public Speaking</i> From Associate Degree	3
<i>Mathematics and Quantitative Literacy</i> From Associate Degree	3
<i>Health and Wellness</i> Any Health and Wellness Course	3
<i>Technological Literacy</i> From Associate Degree	3
<i>Humanities</i> Any Humanities Course	3
<i>Fine Arts</i> Any Fine Arts Course	3
<i>Natural Sciences</i> From Associate Degree	4
<i>Social Sciences</i>	3

Department of Computer Science, Information Systems and Engineering Technology

Course	Credits
ECO 201 Principles of Microeconomics	
<i>General Education Options</i>	13
<ul style="list-style-type: none"> • Any Ethics and Multicultural Awareness Emphasis Course • 10 credits from Associate Degree 	
Required Major Courses	60
From Associate Degree	27
ITE 305 OSHA General Industrial Safety	3
ITE 342 Quality Planning and Analysis	3
ITE 375 Principles of Production	3
ITE 376 Technical Supervision	3
ITE 385 Industrial Cost Estimating	3
ITE 420 Production Analysis	3
ITE 461 Supply Chain Fundamentals	3
ITE 471 Project Management	3
ITE 481 Concepts and Issues in Technology Management	3
ITE 495 Internship OR ITE 499 Research Project	6
Free Electives	18
From Associate Degree	6
Student-Selected Courses	12
Total	120

Additional requirements, not counted toward the General Education requirements, include:

- **Special Experience Course (1 course required):** ITE 471 Project Management
- **Writing-Intensive Component Courses (2 courses required):** ITE 420 Production Analysis AND ITE 481 Concepts and Issues in Technology Management
- **Laboratory Course (1 course required):** From Associate Degree

Program Notes:

- At least 42 credits of advanced coursework (defined as any course numbered 200 or above with at least one pre-requisite course) are required.

- Admission to the industrial technology management program requires an associate degree in a related area (60 credits maximum); 27 of those credits will be applied to "General Education," 27 credits will be applied to "Required Major Courses" and 6 credits will be applied to "Free Electives."
- Graduates of other associate degree programs qualify for admission if they have completed six credits of math (algebra and statistics preferred), a quality control course and a lab-based physics. Any of these courses not completed at the prior level may be completed at the bachelor's degree level as electives or extra courses.

Program Webpage

<https://www.calu.edu/academics/undergraduate/bachelors/industrial-technology-management/index.aspx>