

# Industrial & Systems Engineering

Management



Products,  
Processes,  
& Services

The Essential *Linking* Profession

## What do ISE's do?

Production planning and scheduling	Supply Chain Management
Inventory management	Health Systems design
Supplier reliability management	Decision Science
Quality improvement	Quality engineering
Facility planning and layout	Operations research
Resource planning and scheduling	Simulation modeling
Equipment selection	Design methods and procedures
Minimizing scrap and waste	Analyze operations
Optimization to minimize costs	Specify automation systems
Line balancing	Ergonomics / Human Factors
Measure productivity	Work measurement

## Where do ISE's work?

Manufacturing  
Consulting  
Hospitals  
Restaurant chains  
Hotel chains  
Airlines, airports  
Government  
Armed Forces  
Distribution  
Entertainment Venues  
Retail chains

## What are some jobs that ISE's fill?

Industrial Engineer	Director of Planning
Systems Engineer	Process Engineer
Management Engineer	Product Manager
Quality Engineer	Manufacturing Engineer
Production Engineer	Management Consultant
Logistics Planner	Ergonomist
Supply Chain Manager	Human Factors Engineer
Plant Manager	Reliability Engineer
VP Manufacturing	Methods Engineer
Coordinator of Process Improvement	
Director of Engineering	

Find out more about how you can become an Essential Link!

Visit the SJSU ISE Department web site at: [www.engr.sjsu.edu/ise](http://www.engr.sjsu.edu/ise)

Watch the streaming video, and find out more about  
Industrial and Systems Engineering in your future

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