# Industrial & Systems Engineering

## The Essential Linking Profession

### What do ISE’s do?
- Production planning and scheduling
- Inventory management
- Supplier reliability management
- Quality improvement
- Facility planning and layout
- Resource planning and scheduling
- Equipment selection
- Minimizing scrap and waste
- Optimization to minimize costs
- Line balancing
- Measure productivity
- Cost analysis

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

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**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

or, contact the ISE Department at San Jose State University today: (408) 924-3301

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