

Industrial and Systems Engineering

Chair

Yong Chen

Undergraduate major: industrial engineering (BSE)

Graduate degrees: MS in industrial engineering; PhD in industrial engineering

Faculty: <https://engineering.uiowa.edu/people/ise-people>

Website: <https://engineering.uiowa.edu/ise>

The Department of Industrial and Systems Engineering offers undergraduate and graduate degrees and research programs in industrial and systems engineering.

Industrial and systems engineering encompasses analysis, design, and implementation of systems through optimal use of resources—human, material, energy, information, and financial. Systems may range from small units to extremely large operations. The industrial engineer must be skilled in mathematics, physical sciences, management, and human relations, and understand and design solutions for the complexities of manufacturing, computer systems, economics, optimization, human behavior, and systems analysis and design.