



Program Objectives

of the

BS in Industrial & Systems Engineering Programs

San José State University

Revised 2011-06

The objectives of the BSISE program are to educate Industrial & Systems Engineers who will be able to:

- 1 Function effectively as an ISE professional in any industry, government, or service organization designing, improving, and implementing efficient business processes.
- 2 Use methodologies and computational skills to identify, formulate, and develop solutions for problems normally encountered in their organizations.
- 3 Collect, analyze, and interpret data efficiently and effectively to solve systems analysis and engineering problems.
- 4 Evaluate the impact of their proposed solutions to engineering problems in the broader context of the organization or society.
- 5 Effectively communicate using written, oral and electronic media to articulate technical problems and their proposed solutions.
- 6 Recognize the need for life-long learning and growth within their chosen profession and to be familiar with the strategies they may employ to accomplish this.