



Objectives of the BS in Industrial & Systems Engineering Programs San José State University

Revised 2004-05

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.