



Department of Biomedical, Industrial &  
Human Factors Engineering

**Graduate Certificate Program in  
Lean-Ergonomics for  
Manufacturing**

**Certificate Program:**

The School of Graduate Studies at Wright State University has approved the following Certificate program offered by the College of Engineering and Computer Science, Department of Biomedical, Industrial and Human Factors Engineering.

**Certificate Title:** Lean-Ergonomics for Manufacturing

**Certificate Requirement:** 20 credit hours

**Certificate Objective:**

To provide students practical knowledge and experience in Ergonomics and Lean Manufacturing for process improvement. The courses in this program involve case studies and film presentations as well as examples of successful implementations in business, industrial and healthcare environments. The program is designed to provide practical tools in Lean, Ergonomics and Six Sigma to improve productivity and reduce workers' compensation costs.

**Certificate Requirements:**

1. Industrial Ergonomics - HFE 607 (Fall and Spring)
2. Occupational Safety and Health - HFE 680 (Spring)
3. Six Sigma for Engineers - BME/HFE 685 (Winter)
4. Kaizen/Lean Manufacturing - BME/HFE 744 (Fall)
5. Advanced Industrial Ergonomics - HFE 745 (Winter)

**Course Prerequisites:**

- HFE 607 is the prerequisite for HFE 745, BME/HFE 744 and HFE 680
- Basic course in statistics is a prerequisite for HFE 607 and BME/HFE 685

For additional information about the Lean-Ergonomics for Manufacturing Certificate Program, please visit the BIE Department website at <http://www.cs.wright.edu/bie/> or contact any of the following:

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