The Student Learning Outcomes (SLO) of the Bachelor of Science of Industrial Engineering Degree (BSIE)  
(updated November 14, 2013)

BSIE is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org

**ABET Student Learning Outcomes Assessed in IMSE** (August 11, 2010)
(a) Apply knowledge of mathematics, science and engineering  
(b) Design and conduct experiments and analyze and interpret data  
(c) Design a system, component or process  
(d) Function on a multi-disciplinary team  
(e) Identify, formulate, and solve engineering problems  
(f) Understand professional and ethical responsibilities  
(g) Communicate effectively  
(h) Understand impact of engineering solutions on society  
(i) Engage in lifelong learning  
(j) Knowledge of contemporary issues  
(k) Use modern engineering tools

**Assessment Summary**
The IMSE undergraduate program assesses eleven student learning outcomes and found that all assessed results meet the IMSE standard. However, one subcomponent in (b3) Identify significant factors of the experiment and make recommendations based on analytical result does not meet the standard although the overall assessment on (b) Design and conduct experiments and analyze and interpret data still meet our standard. In the course of evaluating the data, our annual student learning outcomes are summarized as follows:

- Criterion: Over 80% of Students Achieve C or Better
- ALL (a) to (k) meet this criterion
- All SLO (a) to (k) are above 0.9 i.e. 90% of students!
- Only one subcomponent (b3) is below 80% (78% of students) but the overall (b) is still above 90%. 
SLO (h1) scores for 2011 and 2012 have been just above 80% while the past scores were near or above 90%.

- Apply Knowledge of mathematics, science and engineering
- Design a system, component or process to produce goods and services
- Communicate Effectively