Weber State University
Annual Assessment of Evidence of Learning

Cover Page

Department/Program: Engineering Technology / Mechanical Engineering Technology
Academic Year of Report: 2012-2013
Date Submitted: Nov. 22, 2013
Report author: Rick Orr

Contact Information:
Phone: 801-626-7514
Email: rworr@weber.edu
A. Brief Introductory Statement:
   Please review the Introductory Statement and contact information for your department displayed on the assessment site: 
   http://www.weber.edu/portfolio/departments.html - if this information is current, please indicate as much. No further information is needed. We will indicate “Last Reviewed: [current date]” on the page.
   If the information is not current, please provide an update:

   The introductory statement and contact information is current.

B. Mission Statement
   Please review the Mission Statement for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if it is current, please indicate as much; we will mark the web page as “Last Reviewed [current date]”. No further information is needed.
   If the information is not current, please provide an update:

   The mission statement is current

C. Student Learning Outcomes
   Please review the Student Learning Outcomes for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if they are current, please indicate as much; we will mark the web page as “Last Reviewed [current date]”. No further information is needed.
   If they are not current, please provide an update:

   Learning outcomes are current

D. Curriculum
   Please review the Curriculum Grid for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if it is current, please indicate as much; we will mark the web page as “Last Reviewed: [current date]”. No further information is needed.
   If the curriculum grid is not current, please provide an update:

   The curriculum grid is current. It will undergo revision in 2014.

E. Assessment Plan
   Please review the Assessment Plan for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if the plan current, please indicate as much; we will mark the web page as “Last Reviewed [current date]”. No further information is needed.
   If the plan is not current, please provide an update:
We plan on modifying the assessment plan in 2014. Each year several outcomes will be formally assessed with all outcomes routinely assessed over a five year period. Specific classes will be targeted which faculty will assess on a routine basis. A modified closed loop action form will be introduced to standardize improvement tracking in the department. Educational objectives remain the same; they were recently reviewed and accepted by the industrial advisory board in 2012.

F. Report of assessment results for the most previous academic year:

ABET outcomes (a. through k.) are addressed on an ongoing basis via program level and course level loop actions. The loop action instruments are maintained by the program coordinator. In the last ABET accreditation review, all ABET outcomes a,b,c,d,e,f,g,h,j,k were evaluated and deemed adequate. However, ABET cited that there was no evidence of evaluation, feedback or continuous improvement for outcome i for closing the loop for understanding professional, ethical and social responsibilities. Since then the MET program resolved this weakness in the MET 4990 class. An interim report was issued to ABET and the program is now accredited to September 30, 2016. A Self-Study report must now be submitted to ABET by July 1, 2015.

G. Summary of Artifact Collection Procedure Results of Assessment

2012-2013

Outcomes Assessed

- Learning outcomes are listed in the assessment plan. Faculty are tasked with updating specific closed loop action forms that identify assessment metrics, required thresholds, and ensuing courses of action. Due to a sabbatical by the program coordinator these were not collected in fall 2013. Collections will resume in 2014.

- The MET comprehensive exam was given to seniors in spring 2013. The average for Part 1 was 51.76% and the average for Part 2 was 63.53%. The program is still collecting baseline data for this exam to determine what level of score should constitute a signal that improvement is needed.

- Aleamoni Course/ Instructor Evaluation Questionnaire (CIEQ) are filled out by students each semester. These results are averaging a minimum of 3.0 on a scale of 4.0 for instructor, attitude, method, content and interest. MET faculty averaged a score of 3.55 for the instructor rating and 3.39 for the overall rating. We expect scores above 3.0.
Please respond to the following questions.

1) Reflecting on this year’s assessment(s), how does the evidence of student learning impact your faculty’s confidence in the program being reviewed; how does that analysis change when compared with previous assessment evidence?

The MET program have implemented a triggering mechanism within the ABET closed loop action forms for assessment. This triggering mechanism feeds back to the professor weather future action needs to be taken in the course for improvement. All courses will reflect the new form by 2015.

2) With whom did you share the results of the year’s assessment efforts?

Industrial advisory committee, department chair and the dean of the college.

3) Based on your program’s assessment findings, what subsequent action will your program take?

The MET program continued its accreditation by ABET in 2012. The interim report submitted to ABET in 2012 addressed the weakness. We are following the recommendations from ABET. Additionally we will modify the assessment plan to enable an assessment of all learning outcomes over a five year period, annually summarizing select outcomes according to a set schedule.

An additional requirement imposed by ABET is that the program must publish the number of graduates and the number of students in the program each year. The department will comply in spring 2014.

The final ABET report has been attached.
August 08, 2013

David L. Ferro
Dean, College of Applied Science and Technology
Weber State University
1801 University Circle
Ogden, UT 84408-1801

Dear Dr. Ferro:

The Engineering Technology Accreditation Commission (ETAC) of ABET recently held its 2013 Summer Meeting to act on the program evaluations conducted during 2012-2013. Each evaluation was summarized in a report to the Commission and was considered by the full Commission before a vote was taken on the accreditation action. The results of the evaluation for Weber State University are included in the enclosed Summary of Accreditation Actions. The Final Statement to your institution that discusses the findings on which each action was based is also enclosed.

The policy of ABET is to grant accreditation for a limited number of years, not to exceed six, in all cases. The period of accreditation is not an indication of program quality. Any restriction of the period of accreditation is based upon conditions indicating that compliance with the applicable accreditation criteria must be strengthened. Continuation of accreditation beyond the time specified requires a reevaluation of the program at the request of the institution as noted in the accreditation action. ABET policy prohibits public disclosure of the period for which a program is accredited. For further guidance concerning the public release of accreditation information, please refer to Section II.A. of the 2012-2013 Accreditation Policy and Procedure Manual (available at www.abet.org).

A list of accredited programs is published annually by ABET. Information about ABET accredited programs at your institution will be listed in the forthcoming ABET Accreditation Yearbook and on the ABET website (www.abet.org).

It is the obligation of the officer responsible for ABET accredited programs at your institution to notify ABET of any significant changes in program title, personnel, curriculum, or other factors which could affect the accreditation status of a program during the period of accreditation stated in Section II.H. of the 2012-2013 Accreditation Policy and Procedure Manual (available at www.abet.org).

Assuring Quality - Stimulating Innovation