HLC Accreditation 2016-2017

Federal Compliance Form

Appendix W
Engineering Programs Accreditation

Additional information:
August 22, 2014

Vish Prasad
Interim Dean
Wichita State University
Campus Box 44
1845 N. Fairmount
Wichita, KS 67260

Dear Dr. Prasad:

The Engineering Accreditation Commission (EAC) of ABET recently held its 2014 Summer Meeting to act on the program evaluations conducted during 2013-2014. 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 Wichita 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 2013-2014 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 web site (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 2013-2014 Accreditation Policy and Procedure Manual (available at www.abet.org).

Assuring Quality - Stimulating Innovation
ABET requires that each accredited program publicly state the program's educational objectives and student outcomes as well as publicly post annual student enrollment and graduation data as stated in Section II.A.6. of the Accreditation Policy and Procedure Manual (available at www.abet.org).

ABET will examine all newly accredited programs' websites within the next two weeks to ensure compliance.

Please note that appeals are allowed only in the case of Not to Accredit actions. Also, such appeals may be based only on the conditions stated in Section II.L. of the 2013-2014 Accreditation Policy and Procedure Manual (available at www.abet.org).

Sincerely,

Winston Erevelles

Winston F. Erevelles, Chair
Engineering Accreditation Commission

Enclosure: Summary of Accreditation Action
Final Statement

cc: John William Bardo, President
    Steven Robert Skinner, Associate Dean
    Richard Walter Lyles, Visit Team Chair
ABET
Engineering Accreditation Commission
Summary of Accreditation Actions
for the
2013-2014 Accreditation Cycle

Wichita State University
Wichita, KS

Bioengineering (BS)

Accredit to September 30, 2020. A request to ABET by January 31, 2019 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 01, 2019. The reaccreditation evaluation will be a comprehensive general review.

This is a newly accredited program. Please note that this accreditation action extends retroactively from October 01, 2012.

Aerospace Engineering (BS)
Computer Engineering (BS)
Electrical Engineering (BS)
Industrial Engineering (BS)
Manufacturing Engineering (BS)
Mechanical Engineering (BS)

Accredit to September 30, 2020. A request to ABET by January 31, 2019 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 01, 2019. The reaccreditation evaluation will be a comprehensive general review.
August 07, 2014

Vish Prasad
Interim Dean
Wichita State University
Campus Box 44
1845 N. Fairmount
Wichita, KS 67260

Dear Dr. Prasad:

The Computing Accreditation Commission (CAC) of ABET recently held its 2014 Summer Meeting to act on the program evaluations conducted during 2013-2014. 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 Wichita 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 2013-2014 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 web site (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 2013-2014 Accreditation Policy and Procedure Manual (available at www.abet.org).
August 07, 2014

John William Bardo
President
Wichita State University
Campus Box 001
Wichita, KS 67260

Dear Dr. Bardo:

I am pleased to transmit to you the findings of the Computing Accreditation Commission (CAC) of ABET with respect to the evaluation conducted for Wichita State University during 2013-2014. Each of ABET’s Commissions is fully authorized to take the actions described in the accompanying letter under the policies of the ABET Board of Directors.

We are pleased that your institution has elected to participate in this accreditation process. This process, which is conducted by approximately 2,000 ABET volunteers from the professional community, is designed to advance and assure the quality of professional education. We look forward to our continuing shared efforts toward this common goal.

Sincerely,

Monte L. Phillips
President

Enclosure: Commission letter and attachments
Computer Science (BS)

Accredit to September 30, 2020. A request to ABET by January 31, 2019 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 01, 2019. The reaccreditation evaluation will be a comprehensive general review.

This is a newly accredited program. Please note that this accreditation action extends retroactively from October 01, 2012.
ABET requires that each accredited program publicly state the program's educational objectives and student outcomes as well as publicly post annual student enrollment and graduation data as stated in Section II.A.6. of the Accreditation Policy and Procedure Manual (available at www.abet.org).

ABET will examine all newly accredited programs' websites within the next two weeks to ensure compliance.

Please note that appeals are allowed only in the case of Not to Accredit actions. Also, such appeals may be based only on the conditions stated in Section II.L. of the 2013-2014 Accreditation Policy and Procedure Manual (available at www.abet.org).

Sincerely,

[Signature]

David W. Cordes, Chair
Computing Accreditation Commission

Enclosure: Summary of Accreditation Action
Final Statement

cc: John William Bardo, President
Stephen B. Seidman, Visit Team Chair
September 18, 2014

Dear Ms. Weiss,

Per the 2013-2014 Accreditation Policy and Procedure Manual, Section II.H, “Changes during the period of Accreditation,” I am writing to inform you that our Bioengineering program has received formal approval from the Kansas Board of Regents to be renamed Biomedical Engineering. The name change was approved yesterday, September 17, 2014.

The Bioengineering program was initially reviewed in 2013-2014 cycle by the Engineering Accreditation Commission of ABET and was accredited through September 30, 2020. **The change to the program is in name only.** The program’s curriculum, educational objectives, and student outcomes remain the same. As you know, there is no difference in the program criteria between the two program names. December 2014 graduates will receive a degree in Biomedical Engineering.

Please let me know if you have any questions or concerns, or if there is any other official action that we must take. Thank you very much.

Best regards,

Steven R. Skinner
Associate Dean
316-978-6197
Dr. Skinner,

I have made the official name change to Wichita State’s Bioengineering program in our database this morning. Please let me know if you need anything else.

Ms. Bryna Ashley  
Senior Accreditation Assistant  
410-347-7714 (work)  
443-552-3644 (fax)

ABET  
415 N. Charles St.  
Baltimore, MD 21201  
www.abet.org

Assuring Quality • Stimulating Innovation

The information contained in this electronic message and any attached documents may contain confidential and privileged information that is for the sole use of the intended recipient(s). If you are not the intended recipient, note that any unauthorized review, disclosure, copying, distribution, or use of the contents of this electronic message or any attached documents is prohibited. If you have received this communication in error, please destroy it and notify ABET, Inc., immediately.
Hi Maryanne,

The last graduate where “Bioengineering” appeared on their transcript was Summer (July) 2014. Fall (December) 2014 graduates will have “Biomedical Engineering” appear on their transcripts.

May we now use the phrase “The Biomedical Engineering program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org” in our publications?

Thanks,
Steven

From: Weiss, Maryanne [mailto:mweiss@abet.org]
Sent: Monday, September 22, 2014 9:52 AM
To: Skinner, Steven
Cc: Jorgensen, Michael; Nielsen, Regina; Bowden, Royce; Weiss, Maryanne
Subject: RE: Program Name Change
Importance: High

Dear Steven:

Thanks for the notification and you are correct that this is considered a “simple” name change as there is no change in the applicable Program Criteria.

However, in order to update ABET’s database, I need to know when the last graduate will appear with “Bioengineering” as the program name on the transcript and then when the first graduate will appear with “Biomedical” as the program name on the transcript.

Thanks

MA

From: Skinner, Steven [mailto:Steven.Skinner@wichita.edu]
Sent: Thursday, September 18, 2014 3:11 PM
To: Weiss, Maryanne
Cc: Jorgensen, Michael; Nielsen, Regina; Bowden, Royce
Subject: Program Name Change

Dear Maryanne,

Please find attached a letter declaring a name change of our Bioengineering program. The new name is Biomedical Engineering and is more descriptive of the program that went through accreditation. The change became official yesterday, September 17, by a vote of the Kansas Board or Regents.
The program itself has not changed. It still has the same curriculum, program objectives, student outcomes, and resources. As you know, both program names have the same program criteria.

Please let me know if any problems arise from this name change or if there is any other official action that we need to take with regard to ABET accreditation. A hard copy of the attached letter is being sent to you through the mail.

Best Regards,
Steven R. Skinner
Associate Dean
College of Engineering
Wichita State University
August 31, 2016

John William Bardo
President
Wichita State University
Campus Box 001
Wichita, KS 67260

Dear Dr. Bardo:

I am pleased to transmit to you the findings of the Engineering Technology Accreditation Commission (ETAC) of ABET with respect to the evaluation conducted for Wichita State University during 2015-2016. Each of ABET's Commissions is fully authorized to take the actions described in the accompanying letter under the policies of the ABET Board of Directors.

We are pleased that your institution has elected to participate in this accreditation process. This process, which is conducted by approximately 2,000 ABET volunteers from the professional community, is designed to advance and assure the quality of professional education. We look forward to our continuing shared efforts toward this common goal.

Sincerely,

Lawrence Jones
President

Enclosure: Commission letter and attachments
August 31, 2016

Royce O Bowden
Dean of the College of Engineering
Wichita State University, Engineering Dean's Office
1845 Fairmount St.
Campus Box 044
Wallace Rm 100
Wichita, KS 67260

Dear Dr. Bowden:

The Engineering Technology Accreditation Commission (ETAC) of ABET recently held its 2016 Summer Meeting to act on the program evaluations conducted during 2015-2016. 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 Wichita 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 2015-2016 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 web site (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 11H of the 2015-2016 Accreditation Policy and Procedure Manual (available at www.abet.org).
ABET requires that each accredited program publicly state the program’s educational objectives and student outcomes as well as publicly post annual student enrollment and graduation data as stated in Section 11A6. of the Accreditation Policy and Procedure Manual (available at www.abet.org).

ABET will examine all newly accredited programs’ websites within the next two weeks to ensure compliance.

Please note that appeals are allowed only in the case of Not to Accredit actions. Also, such appeals may be based only on the conditions stated in Section 11L of the 2015-2016 Accreditation Policy and Procedure Manual (available at www.abet.org).

Sincerely,

Wilson T. Gautreaux, Chair
Engineering Technology Accreditation Commission

Enclosure: Summary of Accreditation Action
Final Statement

cc: John William Bardo, Chancellor
    Steven Robert Skinner, Associate Dean
    Mary Marchegiano, Visit Team Chair
Accredit to September 30, 2022. A request to ABET by January 31, 2021 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 01, 2021. The reaccreditation evaluation will be a comprehensive general review.

This is a newly accredited program. Please note that this accreditation action extends retroactively from October 01, 2014.
Final Statement of Accreditation

to

Wichita State University
Wichita, KS

2015-2016 Accreditation Cycle
WICIDTA STATE UNIVERSITY

ABET
ENGINEERING TECHNOLOGY ACCREDITATION COMMISSION

FINAL GENERAL REVIEW STATEMENT
on
WICHITA STATE UNIVERSITY
Wichita, Kansas

Dates of Visit:
September 27 - 29, 2015
The statement that follows consists of two parts: the first addresses the overall institution and its engineering technology operation, and the second addresses the individual engineering technology programs. Accreditation actions taken by ETAC of ABET will be based upon the findings summarized in this statement and will depend on the range of compliance or non-compliance with ABET criteria, policies, and procedures. The range can be construed from the following definitions for findings:

**Deficiency:** A Deficiency indicates that a criterion, policy, or procedure is not satisfied. Therefore, the program is not in compliance with the criterion, policy, or procedure.

**Weakness:** A Weakness indicates that a program lacks the strength of compliance with a criterion, policy, or procedure to ensure that the quality of the program will not be compromised. Therefore, remedial action is required to strengthen compliance with the criterion, policy, or procedure prior to the next evaluation.

**Concern:** A Concern indicates that a program currently satisfies a criterion, policy, or procedure; however, the potential exists for the situation to change such that the criterion, policy, or procedure may not be satisfied.

**Observation:** An Observation is a comment or suggestion which does not relate directly to the accreditation action but is offered to assist the institution in its continuing efforts to improve its programs.
Introduction

The Engineering Technology Accreditation Commission (ETAC) of ABET has evaluated the Bachelor of Science in Engineering Technology program of Wichita State University. The program was evaluated using the 2015-16 ABET Criteria for Accrediting Engineering Technology Programs and the 2015-16 ABET Accreditation Policy and Procedure Manual.

Wichita State University (WSU) is a public research and teaching institution serving Wichita and its surrounding region. Wichita State University offers a variety of programs in education, engineering, engineering technology, fine arts, health professions, liberal arts, science, technology and business. The mission of Wichita State University is to be an essential educational, cultural and economic driver for Kansas and the greater public good.

Wichita State University has been accredited by the Higher Learning Commission (HLC) of the Central Association of Colleges and Schools since 1927. The baccalaureate degree program in engineering technology leads to the Bachelor of Science degree. The baccalaureate degree program was initiated in 2012 and has concentrations in Engineering Technology Management, Mechatronics Technology and Renewable Energy Technology. The Engineering Technology degree has been presented for initial accreditation review by ETAC.
WICIDTA STATE UNIVERSITY

PROGRAM EVALUATION

ENGINEERING TECHNOLOGY

Baccalaureate Degree

Introduction

The Bachelor of Science in Engineering Technology program's mission is to provide students with the highest quality education needed to succeed in the global marketplace. Students have the option of graduating with a concentration in one of three areas: engineering technology management, mechatronics technology and renewable energy technology. The criteria used in the design of the concentrations were to serve the intellectual and economic development needs of the surrounding Wichita metropolitan area, the state of Kansas, and the nation, and to offer an interdisciplinary engineering technology program that takes advantage of synergizing the College of Engineering and the School of Business within WSU. All three areas of concentration fulfill local, state, and national workforce demands in the fields of aviation, manufacturing, energy, and healthcare. The program's educational objectives are that within a few years after graduating from the engineering technology program, the graduates would have:

- identified, analyzed, and solved broadly defined engineering technology problems in mechatronics, technology management, or environmental sustainability;
- engaged in professional development activities through training, certification, or advance degree in engineering technology or related fields; and
- demonstrated the commitment to address professional and ethical responsibilities including a respect for diversity.

There are no program-specific criteria for this discipline of study, so the program was evaluated using the General Criteria as published in the 2015-16 ABET Criteria for Accrediting
Engineering Technology Programs. Findings related to ABET criteria or policies and procedures are described below.

Program Weakness

Criteria: Criterion 4. Continuous Improvement states, "The program must regularly use appropriate, documented processes for assessing and evaluating the extent to which the student outcomes are being attained. The results of these evaluations must be systematically utilized as input for the continuous improvement of the program." The program has a continuous improvement plan and has processes in place to use the evaluation results to improve the program. However, display materials were sparse for student outcomes assessment (a) through (k); thus making it difficult to ascertain whether student outcomes were appropriately assessed and evaluated. Without these display materials, it was not possible to determine the extent to which students are attaining the required skills and whether their assessment plan is appropriate. The self-study and display materials provided evidence that the program has been doing assessment and evaluation limited to only one year; thus, assessments and evaluations are not regular. Some evaluations resulted in a recommendation to implement curriculum changes during the current academic year. Recommended curriculum changes were found associated with student outcomes c, f and j assessment and evaluation. There was no evidence that recommended changes were implemented for other student outcomes. Until all changes are implemented, assessed and documented, the program has not "closed the loop" and applied their findings to make program improvements. This finding remains a Weakness until the program demonstrates that it regularly uses appropriate, documented processes for assessing and evaluating the extent to which the student outcomes are being attained. The results of these evaluations must be systematically
utilized as input for the continuous improvement of the program.

Due Process Response: The program provided additional work samples and has implemented, assessed and documented their recommended actions for program improvement for all student outcomes except outcome c.

Status after Due Process: This finding remains a Weakness until the program demonstrates (1) that it is regularly using appropriate documented processes for assessing and evaluating the extent to which student outcome c is being attained, and (2) that the results of the evaluation is being used as input for the continuous improvement of the program.

Post 30-Day Due Process Response: The program provided additional work samples and has implemented, assessed and documented their recommended actions for program improvement for all student outcomes.

Status: This finding is resolved.

Program Concern

Criteria: Criterion 7, Facilities states, "Modern tools, equipment, computing resources and laboratories appropriate to the program must be available, accessible, and systematically maintained and upgraded to enable students to attain the student outcomes and to support program needs. In many of the engineering technology laboratories, especially in mechanical engineering technology, there was only one station available for each experiment. With the current low enrollment in the program, this equipment is sufficient. However, as enrollment grows, the laboratories have the potential to be insufficient. This finding remains a Concern until the program continues to demonstrate that modern tools, equipment, computing resources and laboratories appropriate to the program continue to be available, accessible, and systematically maintained and
upgraded to enable students to attain the student outcomes and to support program needs.

Due Process Response: The program reported a plan to implement a rotating schedule for equipment use during laboratory sessions of classes starting spring 2016 semester. Plans are to provide additional equipment when enrollment increases.

Status after Due Process: This finding remains a Concern until the program continues to demonstrate that modern tools, equipment, computing resources and laboratories appropriate to the program continue to be available, accessible, and systematically maintained and upgraded to enable students to attain the student outcomes and to support program needs.