



ENGINEERING TECHNOLOGY ACCREDITATION COMMISSION

Summary of Accreditation Actions

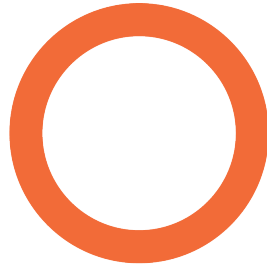
2021–2022 Accreditation Cycle

Jazan University
Gizan, Jazan, Saudi Arabia

Electrical Power Engineering Technology (Associate of Science) Mechanical Maintenance Engineering Technology (Associate of Science)

Accredit to September 30, 2028. A request to ABET by January 31, 2027 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 1, 2027. The reaccreditation evaluation will be a comprehensive general review.

These are newly accredited programs. Please note that this accreditation action extends retroactively from October 1, 2020.



ABET

ENGINEERING TECHNOLOGY ACCREDITATION
COMMISSION

JAZAN UNIVERSITY

GIZAN, JAZAN, SAUDI ARABIA

FINAL STATEMENT OF ACCREDITATION

2021-22 ACCREDITATION CYCLE

JAZAN UNIVERSITY

Gizan, Jazan, Saudi Arabia

ABET ENGINEERING TECHNOLOGY ACCREDITATION COMMISSION

FINAL STATEMENT

VISIT DATES: NOVEMBER 7-9, 2021

ACCREDITATION CYCLE CRITERIA: 2021-2022

INTRODUCTION & DISCUSSION OF STATEMENT CONSTRUCT

The Engineering Technology Accreditation Commission (ETAC) of ABET has evaluated the Electrical Power Engineering Technology (Associate of Science), and Mechanical Maintenance Engineering Technology (Associate of Science) programs at Jazan University.

The statement that follows consists of two parts: the first addresses the institution and its overall educational unit, and the second addresses the individual programs.

A program's accreditation action is based upon the findings summarized in this statement. Actions depend on the program's range of compliance or non-compliance with the criteria. This range can be construed from the following terminology:

- **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 review.
- **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 that does not relate directly to the current accreditation action but is offered to assist the institution in its continuing efforts to improve its programs.

INFORMATION RECEIVED AFTER THE REVIEW

- **Seven-Day Response** No information was received in the seven-day response period.
- **30-Day Due-Process Response** Information was received in the 30-day due-process response period relative to the Electrical Power Engineering Technology (Associate of Science) and Mechanical Maintenance Engineering Technology (Associate of Science) programs.

INSTITUTIONAL SUMMARY

Jazan University is a public university based in the city of Jazan. The university consists of several campuses in the region and offers various degrees. Some of the colleges in the university are Applied Industrial Technology (CAIT), Education, Engineering, Computer Science and Information Systems, and Medicine. Founded in 2006, it is the province's only university and one of the largest public, nonprofit institutions of higher education in the Kingdom of Saudi Arabia. Jazan University's mission is to teach, research, and innovate in the fields contributing and building of a vibrant society. The programs submitted for evaluation are seeking initial accreditation.

Electrical Power Engineering Technology

Associate of Science Program

Evaluated under ETAC Program Criteria for

Electrical/Electronics Engineering Technology and Similarly Named Programs

INTRODUCTION

The Associate of Science in Electrical Power Engineering Technology (EPET) prepares students to work in companies of electric power generation, electrical distribution, and heavy industries of the Kingdom of Saudi Arabia. The program offers a blend of theoretical and practical knowledge together with practical cooperative training. Its goal is to meet the needs of industrial partners in the field of electrical engineering technology. There were 48 undergraduate students enrolled in 2020-2021 and 19 graduated during the 2020 -2021 academic year. This is an initial accreditation review.

PROGRAM WEAKNESSES

1. Criterion 2. Program Educational Objectives

This criterion states: "There must be a documented, systematically utilized, and effective process, involving program constituencies, for the periodic review of these program educational objectives that ensures they remain consistent with the institutional mission, the program's constituents' needs, and these criteria." The program identifies faculty, students, and employers as key constituencies. There was evidence of faculty review of the program educational objectives (PEO). As indicated in the self-study report, students and employers are surveyed every semester. However, no evidence was provided for those surveys. There is no evidence that all the identified key constituencies periodically review the PEO. Without periodic reviews from key constituencies, the program may not meet the needs of the industry, the region, and the graduates. The strength of compliance with this criteria is lacking.

30-Day Due-Process Response

The program has submitted documents showing the Industrial Advisory Board (IAB) has been reconstructed to include key constituencies. The new IAB consists of three members from alumni and employers plus one to two student representatives from the program. There were two IAB meetings (December 30th and January 3rd) held and they reviewed the results of the recent alumni and employer surveys and approved the program PEO.

Status

The program weakness has been resolved.

2. Criterion 5. Curriculum

This criterion states: "An advisory committee with representation from organizations being served by the program graduates must periodically review the program's educational objectives and curriculum. The advisory committee must provide advisement on current and future aspects of the technical fields for which the graduates are being prepared." The industrial advisory board (IAB) consists of three members who are responsible for advising two programs. It is unclear that these three members are representatives from organizations being served by the program's graduates. The IAB has met once before in the spring semester; however, there was no evidence that the group reviewed the program curriculum. Without an advisory committee representing organizations being served by the program graduates, the IAB cannot provide constructive feedback on the curriculum. Without periodically reviewing the curriculum, this committee cannot provide meaningful advisement on the current and future needs of the technical fields for which the graduates are being prepared. The strength of compliance with the criteria is lacking.

30-Day Due-Process Response

The program submitted documents showing the IAB has been reconstructed to include key constituencies. The new IAB board consists of several employers and alumni. The list of participants for the EPET program shows three members: alumni and employers plus one to two student representatives from the program. There were two IAB meetings (December 30th and January 3rd) held and the IAB reviewed the program curriculum and has approved the proposed curriculum changes during the December 30th meeting.

Status

The program weakness has been resolved.

3. Program Criteria

This criterion states: "The curriculum must include the following topics: the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems;" In the curriculum, there is only one course relating to computer programming topics: 001CSC Computer Essentials. There is no evidence that the computer programming topics in this course cover the application of computer programming to the building, testing, operation, and maintenance of electrical/ electronic(s) systems. Without coverage of these topics, students may be limited in preparation needed in the workplace. The strength of compliance with the criteria is lacking.

30-Day Due-Process Response

The program provided evidence that several actions have been taken to add computer programming topics to the curriculum. Computer programming content (microcomputer and introduction to C-language has been added to Digital Electronics (114EPET) course. This change includes both theory and laboratory sessions. C++ basic theory and its applications have also been added to Motor Control Systems (261EPET) course.

Status

The program weakness has been resolved.

Mechanical Maintenance Engineering Technology

Associate of Science Program

Evaluated under ETAC Program Criteria for
Mechanical Engineering Technology and Similarly Named Programs

INTRODUCTION

The Associate of Science in Mechanical Maintenance Engineering Technology (MMET) prepares students to work in companies of petroleum, chemical, food, and heavy industries in the Kingdom of Saudi Arabia. The program offers a blend of theoretical and practical knowledge with cooperative training. Its goal is to meet the needs of industrial partners in the field of mechanical maintenance engineering technology. There were 53 undergraduate students enrolled in 2020-2021 and 27 students graduated during the 2020 -2021 academic year. This is an initial accreditation review.

PROGRAM WEAKNESSES

1. Criterion 2. Program Educational Objectives

This criterion states: "There must be a documented, systematically utilized, and effective process, involving program constituencies, for the periodic review of these program educational objectives that ensures they remain consistent with the institutional mission, the program's constituents' needs, and these criteria." The program identifies faculty, students, and employers as key constituencies. There was evidence of faculty review of the program educational objectives (PEO). As indicated in the self-study report, students and employers are surveyed every semester. However, no evidence was provided for those surveys. There is no evidence that all the identified key constituencies periodically review the PEOs. Without periodic reviews from key constituencies, the program may not meet the needs of the industry, the region, and the graduates. The strength of compliance with this criteria is lacking.

30-Day Due-Process Response

The program submitted documents showing the IAB has been reconstructed by including more key constituencies. The new IAB board consists of three members from alumni and employers plus one to two student representatives from the program. There were two IAB meetings (December 30th and January 3rd) held and they reviewed the results of the recent alumni and employer surveys and approved the program PEO.

Status

The program weakness has been resolved.

2. Criterion 5. Curriculum

The criterion states: "An advisory committee with representation from organizations being served by the program graduates must periodically review the program's educational objectives and curriculum. The advisory committee must provide advisement on current and future aspects of the technical fields for which the graduates are being prepared." The industrial advisory board (IAB) consists of three members who are responsible for advising two programs. The IAB has met once before in the spring semester; however, there was no evidence that the group reviewed the program curriculum. Without periodically reviewing the curriculum, this committee cannot provide meaningful advisement on the current and future needs of the technical fields for which the graduates are being prepared. The strength of compliance with the criteria is lacking.

30-Day Due-Process Response

The program submitted documents showing the IAB has been reconstructed by including more key constituencies. The new IAB board consists of several employers and alumni. The list of participants for the MMET program shows three members: alumni and employers plus one to two student representatives from the program. There were two IAB meetings (December 30th and January 3rd) held and the IAB reviewed the program curriculum and has approved the proposed curriculum changes during the December 30th meeting.

Status

The program weakness has been resolved.