



ABET
Engineering Accreditation Commission
Summary of Accreditation Actions
for the
2013-2014 Accreditation Cycle

North Carolina Agricultural and Technical State University
Greensboro, NC

~~Architectural Engineering (BS)~~
Biological Engineering (B.S.)
Chemical Engineering (BS)
Civil Engineering (BS)
Computer Engineering (B.S.)
Electrical Engineering (BS)
Industrial & Systems 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.

ABET
ENGINEERING ACCREDITATION COMMISSION

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY
Greensboro, NC

FINAL STATEMENT
Visit Dates: October 13-15, 2013
Accreditation Cycle Criteria: 2013-2014

Introduction & Discussion of Statement Construct

The Engineering Accreditation Commission (EAC) of ABET has evaluated the architectural, biological, chemical, civil, computer, electrical, industrial and systems, and mechanical engineering programs of North Carolina Agricultural and Technical State University.

This statement is the final summary of the EAC evaluation at the institutional and engineering-program levels. It includes information received during due process, including information submitted with the seven-day response. This statement consists of two parts: the first addresses the institution and its overall engineering educational unit, and the second addresses the individual engineering programs. It is constructed in a format that allows the reader to discern both the original visit findings and subsequent progress made during due process.

A program's accreditation action is based upon the findings summarized in this statement. Actions depend on the program's degree of compliance or non-compliance with the criteria. This degree 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.

North Carolina Agricultural and Technical State University (NCA&T) was founded in 1891 as a public 1890 land-grant university located in Greensboro, NC. In 2012-13, the university had 10,636 students and 523 full-time faculty members. The university is composed of seven colleges and schools including the College of Engineering, which consists of seven academic departments that offer 10 undergraduate and 12 graduate degree programs. In 2012-13, the College of Engineering had 1,297 undergraduate students, 307 graduate students, 90 full-time faculty members, and 27 adjunct faculty members.

The following units were reviewed and found to adequately support the engineering programs: biology, chemistry, computer science, mathematics, physics, library, career services, enrollment management, and information technology.

Institutional Strengths

1. NCA&T has forged a partnership with the Guilford County Public School System establishing Middle College. Middle College is an all-male resident high school located on the university campus with a mission of reversing negative college enrollment trends of African American males. This collaboration is the first ever for the State of North Carolina, and Middle College is one of only a few such partnerships nationwide.
2. The university has also forged a co-admissions agreement with Guilford Technical Community College for students considering careers in science, technology, engineering, and mathematics. This partnership provides an additional pipeline of academically ready students to meet the demands of rigorous curricula in the College of Engineering, while moving the university closer towards its enrollment goals presented in its strategic plan, Preeminence 2020.

**Biological Engineering
Program**

Program Criteria for Biological and Similarly Named Engineering Programs

Introduction

The biological engineering program is jointly administered by the Department of Chemical, Biological and Bioengineering in the College of Engineering and the Department of Natural Resources and Environmental Design in the School of Agriculture and Environmental Science. The program was the first ABET-accredited agricultural engineering program at a Historically Black College or University, and currently has four full-time faculty members, a student enrollment of 35, and had seven graduates in 2012-13.

The institution did not provide a seven-day response to correct any factual errors for this program.