ABET

COMPUTING ACCREDITATION COMMISSION

Summary of Accreditation Actions
2020–2021 Accreditation Cycle

Bucknell University
Lewisburg, PA, United States

Computer Science (Bachelor of Science)
Computer Science and Engineering (BS in Comp Sci and Engineering)

Accredit to September 30, 2027. A request to ABET by January 31, 2026 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, 2026. The reaccreditation evaluation will be a comprehensive general review.

ABET

COMPUTING ACCREDITATION COMMISSION

BUCKNELL UNIVERSITY

LEWISBURG, PA, UNITED STATES

FINAL STATEMENT OF ACCREDITATION
2020-21 ACCREDITATION CYCLE

BUCKNELL UNIVERSITY
Lewisburg, PA, United States

ABET COMPUTING ACCREDITATION COMMISSION

FINAL STATEMENT
VISIT DATES: DECEMBER 6-8, 2020
ACCREDITATION CYCLE CRITERIA: 2020-2021

INTRODUCTION & DISCUSSION OF STATEMENT CONSTRUCT

The Computing Accreditation Commission (CAC) of ABET has evaluated the Bachelor of Science (BS) in Computer Science and Computer Science and Engineering programs at the Bucknell University during the 2020-21 cycle for possible accreditation under the CAC/ABET "Criteria for Accrediting Computing Programs" dated November 1, 2019.

The Computer Science and Engineering program was jointly reviewed by the Computing Accreditation Commission and the Engineering Accreditation Commission. Because each Commission has unique General and Program Criteria against which the joint program was examined for compliance, each Commission will report the results of the review in separate Draft and Final Statements to the institution and will independently determine an action. Normally, the more severe of the actions voted will be the action for the program.

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.

REVIEW TEAM

The programs listed above were evaluated by the peer review team shown below.

- **Program Evaluator** Ken Edward Kennedy, BMW

- **Program Evaluator** Akhtar Lodgher

- **Visit Team Chair** Sridhar Radhakrishnan, University of Oklahoma-Norman Campus

- **Editor 1** Kevin Huggins, Harrisburg Unversity of Science and Technology

- **Editor 2** Ronald P. Doyle, Wake Forest University

Please note that program accreditation decisions are made solely by the respective Commissions of ABET. Reference to the professional affiliations of the volunteer peer evaluators in no way constitutes or implies endorsement or recommendation of the programs by the listed professional affiliations.

INFORMATION RECEIVED AFTER THE REVIEW

- **Seven-Day Response** No information was received in the seven-day response period.

- **30- Day Due- Process Response** No information was received in the 30- day due- process response period.

INSTITUTIONAL SUMMARY

Bucknell University is a private, nonsectarian, coeducational university comprised of three colleges that enroll 3,724 undergraduate students supported by over 360 faculty members. The College of Engineering enrolls 707 undergraduate students supported by 71 faculty members. It offers programs in Biomedical, Civil, Chemical, Computer, Electrical, Environmental and Mechanical Engineering, and Computer Science & Engineering. The College of Arts & Sciences offers a Computer Science program for 92 enrolled students supported by 12 faculty members. The nine programs under review awarded 164 engineering and 17 computer science bachelor's degrees in the 2019-2020 academic year.

Computer Science
Bachelor of Science Program

Evaluated under CAC Program Criteria for
Computer Science and Similarly Named Computing Programs

INTRODUCTION

The BS program in Computer Science is offered by the Department of Computer Science in the College of Arts and Science. The program enrolled 56 full-time students. The Computer Science department has twelve tenured and tenure-track faculty along with two visiting faculty members. All faculty hold earned doctoral degrees. The program awarded 9 degrees in the 2019-20 academic year.

Status of Shortcomings from the Previous Review:

No shortcomings were found during the previous review.

Findings from the Current Review:

The program satisfies all the General Criteria and the Computer Science program criteria.

No deficiencies, weaknesses, or concerns were found.

Computer Science and Engineering

BS in Comp Sci and Engineering Program

Evaluated under CAC Program Criteria for
Computer Science and Similarly Named Computing Programs

INTRODUCTION

The BS in Computer Science and Engineering program is offered by the Department of Computer Science in the College of Engineering. The program currently enrolls 92 full-time students and is administered by twelve tenured/tenure track faculty members, all full-time, two visiting faculty members, both full-time, one full-time staff member, and two additional staff members, shared with the College of Engineering. The program's department has received university approval to add one additional tenure track faculty position. The program awarded 27 bachelor's degrees in the 2019-20 academic year.

Status of Shortcomings from the Previous Review:

No shortcomings were found during the previous review.

Findings from the Current Review:

The program satisfies all the General Criteria and the Computer Science program criteria.

No deficiencies, weaknesses, or concerns were found.

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Lewisburg, PA, United States

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FINAL STATEMENT
VISIT DATES: DECEMBER 6-8, 2020
ACCREDITATION CYCLE CRITERIA: 2020-2021

SUMMARY

The following is a summary of this evaluation for Bucknell University during the 2020-21 cycle:

Computer Science Program

No deficiencies, weaknesses, or concerns were found.

Computer Science and Engineering Program

No deficiencies, weaknesses, or concerns were found.