



## Bennett College Capability Statement

Institution: **Bennett College**

DUNS No: **067439489**

Cage Code: **OME28**

NACIS ID(s): **611310,611430,541380,541711,541720,541990,541611**

Federal EIN No: **56-0532296**

Certificates, Registrations, Accreditations: SAM, FedConnect, **SACSCOC, CSWE; NCATE**

POC Information: **Sylvia Nicholson, Director, Sponsored Programs**

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### OVERVIEW

#### ORGANIZATION

Bennett College is a small, private, historically Black liberal arts college for women. The College offers women an education conducive to excellence in scholarly pursuits; preparation for leadership roles in the workplace, society, and the world; and life-long learning in a technologically advanced, complex global society.

#### MISSION STATEMENT Related to Research

We are a 501 (c)(3) organization having the following specific purposes:

- Developing and administrating grants and contracts conducted by faculty and its affiliates;
- Coordinating sponsored research programs for the campus;
- Promoting and aiding in the fulfillment of the research, services, and educational functions of the College;
- Using and applying the whole or any part of income and principal exclusively only for educational and scholarly purposes.

#### RESEARCH CAPABILITIES

**Biomedical Research:** Cancer research, epigenetic sensing of prostate cancer biomarkers, anti -cancer pro-drugs for the treatment of cancers.

**Chemistry:** Food Chemistry Research: the Effects of Food Preparation Techniques on Nutrient and Vitamin Availability, Antibiotic Resistance in Bacteria Research, Analysis of Water Pollutants.

**Mathematics/Computer Science:** Nano-modeling, math modelling.

**Health Disparities:** Mental health, Hypertension, Obesity, Diabetes, Women's Health.

#### FACILITIES

Biotechnology Core Laboratory-

The major equipment for cell culture includes the biological safety cabinet, cryogenic tank, liquid nitrogen tank and a 37°C incubator.

The instrumentation for gene expression is housed in Pfeiffer Science Laboratory Room 202 which consists of The Real-Time PCR machine, V3 Western Workflow, Nanodrop, a small autoclave and SpetraMax spectrophotometer.

We also have multiple PCR cycler machines both in this room as well in our biotechnology teaching lab.

We also have a 96 well plate centrifuge and a 15ml multipurpose centrifuge for cell culture analysis.

Thermo Scientific Dionex HPLC Unit

Shimadzu IRAffinity FTIR infrared spectrophotometer

Agilent Technologies Cary Series Ultraviolet-Visible Light Spectrophotometer

MARS Synthesis Microwave Synthesis Apparatus