RUTGERS HEALTH
School of Public Health

APPLIED BIOSTATISTICS CERTIFICATE
Gain the Skills to Conduct Biostatistical Analyses

Image Credit | Raymond Clinkscale

ABOUT

The 15-credit Applied Biostatistics Certificate can help you advance your knowledge and skills in the design and analysis of data from public health studies. Students will learn how to analyze data and interpret the results. Courses explore study design, epidemiology, data analysis, and statistical computing.

The **Applied Biostatistics Certificate** is intended for:

- ▷ Clinicians (physicians and nurses)
- ▷ Other clinical researchers
- ▷ Those working in pharmaceutical and related industries

PROGRAM DESIGN

You can complete the Applied Biostatistics Certificate in two to three semesters, or you can plan a schedule for completing the courses over a two-year period *(maximum timeframe)*. The late afternoon/evening schedule makes it convenient to continue working or gain experience while earning your Applied Biostatistics Certificate.

Depending on the degree program and concentration, certificate courses may also be applied toward a degree at the Rutgers School of Public Health. Certificate holders must apply and be admitted to the degree program.

CURRICULUM REQUIREMENTS (15 credits) *Courses are available in-person, remote and/or online, varying by semester and course.*

- ▷ **PHCO 0502** - Principles and Methods of Epidemiology (3 cr.)
- ▷ **BIST 0535** - Biostatistical Computing***** (3 cr.)
- ▷ **BIST 0551** - Applied Regression Analysis for Public Health Studies***** (3 cr.) **--OR--**
  BIST 0610 - Advanced Regression Methods for Public Health Studies***** (3 cr.)
- ▷ **BIST 0615** - Categorical Data Analysis***** (3 cr.)
- ▷ **BIST 0627** - Applied Survival Data Analysis***** (3 cr.) **--OR--**
  BIST 0650 - Applied Longitudinal Data Analysis (3 cr.)

Prerequisite: PHCO 0504 - Introduction to Biostatistics (3 cr.) (Prerequisite for PHCO 0504: Quantitative Skills Assessment) **or equivalent course.*

Graduates of CEPH-accredited schools and programs of public health may transfer up to six (6) credits towards a certificate program if earned within the past seven years with a grade of B or better and are deemed appropriate by the respective Certificate Program Coordinator.
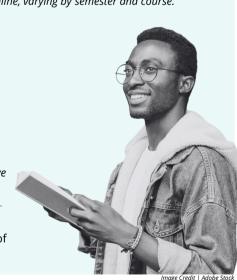

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The school has several research centers and works closely with Rutgers University institutes:

- Center for Public Health Workforce Development
- Center for Health, Identity, Behavior & Prevention Studies
- Center on Gun Violence Research
- Cancer Health Equity Center of Excellence
- Center for South Asian Quantitative Health & Education

- Institute for Nicotine & Tobacco Studies
- Environmental and Occupational Health Sciences Institute
- Institute for Health, Healthcare, Policy and Aging Research
- Rutgers Cancer Institute
- ...and more

DID YOU KNOW?

ADMISSION REQUIREMENTS

Applicants must have:

⏩ Completed an accredited undergraduate program in the U.S. or its equivalent

⏩ Demonstrated academic achievement in an appropriate discipline

Applicants must submit:

⏩ Application for Admission

⏩ Official transcripts of all prior work

⏩ Letter of intent, including statement of purpose for application to the program

⏩ Two (2) letters of recommendation

⏩ Application fee

International applicants must submit:

⏩ TOEFL scores and WES evaluations

APPLY TODAY!

go.rutgers.edu/sph-apply

COST

Tuition is governed by Rutgers University and is subject to change without notice. Please visit the **Rutgers School of Public Health's Tuition & Fees webpage** *(https://sph.rutgers.edu/admissions/tuition-fees)* to confirm current tuition rates and fees.

Gainful Employment information can be found **here** *(https://sph.rutgers.edu/sites/default/files/2023-03/Gainful-Employment-disclosure.pdf)*

Image Credit | Nick Romanenko

Rutgers School of Public Health

For more information, contact:

✉ admissions@sph.rutgers.edu

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