

APPLIED STATISTICS, CERTIFICATE

The Post-Baccalaureate Certificate in Applied Statistics (PBACC) is designed to provide engineers and scientists with the modern data analytic tools needed for effective practice as a specialist in statistical methods.

Admission to the PBACC program typically requires a GRE score (verbal plus quantitative) of 300 or more and one upper-division or graduate statistics course with a B or better. Students currently enrolled in other graduate degree programs at USC are automatically eligible to pursue the certificate (with permission of their home department for concurrent enrollment) as long as they have taken the prerequisite calculus course.

Learning Outcomes

- The PBACC recipient should be able to apply and interpret general statistical methods, including their implementation in standard statistical packages.
- The PBACC recipient should have the maturity and writing ability to plan, carry out, and report on a self-directed course project, such as though required for elective courses STAT 506, STAT 540, STAT 541, or STAT 706. These courses are not required for the PBACC but nearly every PBACC graduate takes at least one of these courses.

Certificate Requirements (12 Hours)

The PBACC requires at least 12 semester hours of graduate credits in statistics, at least half of which must be courses at the 700-level or above with the STAT designator, completed within a period of six years before the award of the certificate.

The 12 Hours must include the following:

Basic Data Analysis (6 Hours)

Course	Title	Credits
STAT 700	Applied Statistics I (Or the equivalent)	3
STAT 701	Applied Statistics II (Or the equivalent)	3
Total Credit Hours		6

Additional Courses (6 Hours)

- At least 6 Hours of additional courses must be selected with the approval of the graduate director or the director for part-time students.

Note: Up to 6 semester hours of approved statistics courses may be taken from other departments and/or by transfer credit. With the approval of the department, and subject to the regulations of The Graduate School, courses taken in a certificate program can be applied toward other graduate degrees.