

STATISTICS, PH.D.

- Data Science Concentration (Statistics, Ph.D.) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/college-arts-sciences/statistical-science/statistics-phd/data-science-concentration/>)
- Biostatistics Concentration (Statistics, Ph.D.) (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/college-arts-sciences/statistical-science/statistics-phd/biostatistics-concentration/>)

Requirements

Ph.D. students must complete seventy-five semester hours.

Requirements include a statistics core of twenty-seven semester hours, consulting-teaching practicum of three semester hours, elective courses of thirty-six semester hours, and nine semester hours of dissertation work. A successful dissertation defense is also required in order to earn this degree. Other requirements are computer proficiency and a preliminary examination. A foreign language is not required.

Curriculum

Code	Title	Hours
Statistics Core		
STA 5353	Theory of Statistics II	3
STA 5380	Methods in Statistics I	3
STA 5381	Methods in Statistics II	3
STA 6375	Computational Statistics I	3
STA 5383	Introduction to Multivariate Analysis	3
STA 5362	Time Series Analysis	3
STA 6382	Theory of Linear Models	3
STA 6352	Bayesian Theory and Methods I	3
STA 6351	Large Sample Theory	3
Practicum Courses		
STA 5V85	Practice in Statistics	3
Dissertation		
STA 6V99	Dissertation	9
Electives Courses		
The elective courses are selected from approved STA courses or from approved courses in MTH, CSI, ECO, QBA, ISY, BIO, or PSY. ¹		36
Total Hours		75

¹ Note that STA 5V85 Practice in Statistics does not count as an elective course.