Penn State University

STATISTICS MAJOR

Eberly College of Science

B. S. Degree

APPLIED STATISTICS OPTION

For the B.S. degree in Statistics, one hundred twenty (120) credits are required. Students must earn a grade of C or better in any class marked with an asterisk (*).

GENERAL EDUCATION

COMMUNICATIONS (GWS) 9 cr.

ENGL 15 or 30	3	
ENGL 202C	3	
CAS 100	3	

HEALTH & PHYSICAL ACTIVITIES (GHA) 3 cr.

HUMANITIES (GH) 6 cr.

	3	
	3	

QUANTIFICATION (GQ) 8 cr.

MATH 140*	4	
MATH 141*	4	

NATURAL SCIENCES (GN) 9 cr.

SOCIAL & BEHAVIORAL SCIENCES (GS) 6 cr.

	3	
	3	

ARTS (GA) 6 cr.

	3	
	3	

* Students must earn a grade of C or better in any course marked with an asterisk.

ADVISING NOTES:

In addition to the above requirements, each student must complete three credits of international cultures (IL), three credits of US cultures (US), and three credits of writing across the curriculum (W suffix). The writing across the curriculum requirement is satisfied for statistics majors by STAT 470W. We recommend but do not require that statistics students take the statistics first-year seminar during the fall of their first year at Penn State.

Students may petition to substitute three credits of GS, GA, or GH for three credits of another of GS, GA, or GH. This substitution is often referred to as the 3-6-9 sequence (as opposed to the 6-6-6 sequence in GS, GA, GH shown above).

For more detailed information about general education requirements at Penn State, including more detailed descriptions of GI, first-year seminar, and W requirements, see www.psu.edu/bulletins/bluebook/gened

Penn State University

STATISTICS MAJOR
APPLIED STATISTICS OPTION

Eberly College of Science

REQUIRED COURSES	27–29 cr.	
MATH 220*	3	
MATH 231* or MATH 230*	2–4	
CMPSC 101*, 102*, 121*, 200*, 201* or 202*	3	
STAT 220* (SP semester only)	3	
STAT 414*	3	
STAT 415*	3	
STAT 460*	3	
STAT 462*	3	
STAT 470W* (SP semester only)	3	
STAT 480*	1	

ADDITIONAL COURSES	12 cr.	
STAT 416*	3	
STAT 440**	3	
STAT 463* (FA only, but see STAT 510)	3	
STAT 464* (FA semester only)	3	
STAT 466**	3	
CMPSC/MATH 451* OR CMPSC/MATH 455*	3	
IE 433*	3	
MATH 436* OR MATH 441*	3	

**Note: Both STAT 440 and STAT 466 have been approved by the senate curriculum committee, but they are not yet on the schedule.

COURSES FOR MINOR*	18–21 cr.	

SUPPORTING COURSES	11–16 cr.	

To satisfy the requirements of the Applied Statistics option, a student must complete a minor in some field other than mathematics. Courses already used for general education credit may, if applicable, also be used to satisfy the minor requirement (however, credits from such courses only count once toward the total of 120 needed to graduate). If a student wants to work in a supporting area that does not have a minor, he or she can propose a list of six appropriate courses and petition the statistics department for approval. It is the student's responsibility to justify the appropriateness of the proposed list. Students must receive a grade of C or better in each of these six courses

* Students must earn a grade of C or better in any course marked with an asterisk.