

STATISTICS MAJOR
B. S. Degree
ACTUARIAL 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.

ECON 102	3	
ECON 104	3	

ARTS (GA) 6 cr.

	3	
	3	

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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

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REQUIRED COURSES	31–33 cr.	
MATH 220*	3	
MATH 231* or MATH 230*	2–4	
CMPSC 101*, 102*, 121*, 200*, 201* or 202*	3	
STAT 200*	4	
STAT 414*	3	
STAT 415*	3	
STAT 461*	3	
STAT 462*	3	
STAT 463*	3	
STAT 470W*	3	
STAT 480*	1	

ADDITIONAL COURSES	9 cr.	
STAT 416*	3	
STAT 440*	3	
STAT 464*	3	
STAT 466*	3	
CMPSC/MATH 451* OR CMPSC/MATH 455*	3	
IE 434*	3	
IE 436*	3	
MATH 436* OR MATH 441*	3	

REQUIRED COURSES	19 cr.	
ACCTG 211*	4	
FIN 301*	3	
R M 302*	3	
R M 410*	3	
R M 411*	3	
R M 412*	3	

SUPPORTING COURSES	13–15 cr.	

The supporting courses should include one 3-credit US course and one 3-credit IL course.

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