

Behavioral Statistics

Behavioral Statistics Major

This degree is a joint effort between the Department of Statistics and the Department of Psychology (<http://bulletin.ndsu.edu/past-bulletin-archive/2014-15/undergraduate/colleges/science-mathematics/psychology>). It is recommended that a student wishing to obtain a degree in Behavioral Statistics consult with an adviser in both departments. This major prepares students for careers involving collecting and analyzing data on human behavior, for example, in Medicare, insurance, market research, or health, educational and social services. Graduates of this program are expected to have good quantitative reasoning skills and to have strong people skills. **Note:** *this curriculum also fulfills requirements for the major in Psychology.*

Major Requirements

Major: Behavioral Statistics

Degree Type: B.A. or B.S.

Required Degree Credits to Graduate: 122

General Education Requirements

First Year Experience (F):

UNIV 189	Skills For Academic Success (Students transferring in 24 or more credits do not need to take UNIV 189.)	1
----------	---	---

Communication (C):

ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
One Course in Upper Level Writing: Select from current general education list		3
COMM 110	Fundamentals of Public Speaking	3

Quantitative Reasoning (R):

STAT 330	Introductory Statistics	3
----------	-------------------------	---

Science & Technology (S):

BIOL 126	Human Biology	3
CHEM 117 & 117L	Chemical Concepts and Applications and Chem Concepts and Applications Lab	4
CSCI 114 or CSCI 116	Microcomputer Packages or Business Use of Computers	3-4

Humanities & Fine Arts (A): Select from current general education list 6

Social & Behavioral Sciences (B):

ANTH 111	Introduction to Anthropology	3
SOC 110	Introduction to Sociology	3

Wellness (W): Select from current general education list 2

Cultural Diversity (D):

ANTH 111	Introduction to Anthropology	3
----------	------------------------------	---

Global Perspectives (G): Select from current general education list

Total Credits 40-41

College Requirements

Bachelor of Science (BS) Degree – An additional 6 credits in Humanities or Social Sciences*

Bachelor of Arts (BA) Degree – An additional 12 credits Humanities and Social Sciences* and proficiency at the second year level in a modern foreign language.

* Humanities and Social Sciences may be fulfilled by any course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN, GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the approved list of general education courses in humanities and social sciences (general education categories A and B). These credits must come from outside the department of the student's major.

Major Requirements

General Education Requirements	40	
College of Science and Mathematics Requirements	6-12	
Behavioral Statistics Requirements		
PSYC 111	Introduction to Psychology	3
PSYC Elective	200-400 Level Electives	6
PSYC 350	Research Methods I	3
PSYC 351	Research Methods II	3
PSYC Elective	400 Level Elective	3
STAT 331	Regression Analysis	2
STAT 462	Introduction to Experimental Design	3
STAT 470	Statistical SAS Programming	3
Select one of the following:		1-3
PSYC 480	History & Systems	
PSYC 489	Honors Thesis	
STAT 491	Seminar	
Related Courses Required		
Mathematics:		
MATH 103	College Algebra ^{Or Higher Level}	3
or MATH 104	Finite Mathematics	
Electives: Select one course from group A-C:		
Group A - Social Bases of Behavior: Select one:		3
PSYC 453	Organizational Psychology	
PSYC 468	Personality	
PSYC 470	Experimental Social Psychology	
Group B - Biological Bases of Behavior: Select one:		3
PSYC 460	Sensation & Perception	
PSYC 465	Psychobiology	
PSYC 486	Neuropsychology	
Group C - Cognitive Bases of Behavior: Select one		3
PSYC 461	Memory And Knowledge	
PSYC 463	Experimental Developmental Psychology	
PSYC 464	Attention & Thinking	
Group D - Select 2 from the following:		6
STAT 460	Applied Survey Sampling	
STAT 463	Nonparametric Statistics	
STAT 465	Meta-Analysis Methods	

STAT 469	Introduction to Biostatistics	
STAT 472	Time Series	
Degree Requirements: Potential of 31 credits to reach 122		31
Total Credits		122-130

Program notes

- Except for courses offered only as pass/fail grading, no course may be taken Pass/Fail.