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/2015-16/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	Microcomputer Packages	3-4
or CSCI 116	Business Use of Computers	
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 Elecitve	400 Level Elective	3
STAT 331	Regression Analysis	2
STAT 462	Introduction to Experimental Design	3
STAT 470	Statistical SAS Programming	3
or STAT 471	Introduction to the R Language	
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 (if needed as a prerequisite) Or Higher Level	3
Select one course from 3 of the following 4 groups (A-D)		
Group A - Social/Personality:		3
PSYC 453	Organizational Psychology	
PSYC 468	Personality	
PSYC 470	Experimental Social Psychology	
Group B - Perception/Cognition:		3
PSYC 460	Sensation & Perception	
PSYC 461	Memory And Knowledge	
PSYC 464	Attention & Thinking	
Group C - Biological Bases of Behavior:		3
PSYC 465	Psychobiology	
PSYC 481	Health Psychology	
PSYC 486	Neuropsychology	
Group D - Individual Differences:		3
PSYC 463	Experimental Developmental Psychology	
PSYC 471	The Psychology Of Aging	
PSYC 472	Advanced Psychopathology	
PSYC 473	Child Psychopathology and Therapy	
Group E - Select two of the following:		6
STAT 460	Applied Survey Sampling	
STAT 463	Nonparametric Statistics	
STAT 469	Introduction to Biostatistics	
STAT 472	Time Series	
Degree Requirements: Potential of 28 elective credits to reach 122		28
Total Credits		**122-130**

Program notes

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