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/2017-18/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.
Minimum Degree Credits to Graduate: 120

General Education Requirements for Baccalaureate Degree

- A list of approved general education courses is available here (http://bulletin.ndsu.edu/past-bulletin-archive/2017-18/academic-policies/undergraduate-policies/general-education/#genedcoursestext).
- General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review the major, minor, and program emphases requirements for minimum grade restrictions, should they apply.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>College Composition I</td>
<td>12</td>
</tr>
<tr>
<td>ENGL 120</td>
<td>College Composition II</td>
<td></td>
</tr>
<tr>
<td>COMM 110</td>
<td>Fundamentals of Public Speaking</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper Division Writing †</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quantitative Reasoning (R) †</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science and Technology (S) †</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Humanities and Fine Arts (A) †</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Social and Behavioral Sciences (B) †</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Wellness (W) †</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Cultural Diversity (D) ††</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Global Perspectives (G) ††</td>
<td></td>
</tr>
<tr>
<td>Total</td>
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<td>39</td>
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</tbody>
</table>

* May be satisfied by completing courses in another General Education category.
† May be satisfied with courses required in the major. Review major requirements to determine if a specific upper division writing course is required.

College Requirements

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. * 12

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

* 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 111</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC Elective</td>
<td>200-400 Level Electives</td>
<td>6</td>
</tr>
<tr>
<td>PSYC 350</td>
<td>Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 351</td>
<td>Research Methods II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC Elective</td>
<td>400 Level Elective</td>
<td>3</td>
</tr>
<tr>
<td>STAT 331</td>
<td>Regression Analysis</td>
<td>2</td>
</tr>
<tr>
<td>STAT 462</td>
<td>Introduction to Experimental Design (Capstone)</td>
<td>3</td>
</tr>
<tr>
<td>STAT 470</td>
<td>Statistical SAS Programming</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 471</td>
<td>Introduction to the R Language</td>
<td></td>
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Select one of the following: 2-3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 480</td>
<td>History &amp; Systems</td>
</tr>
<tr>
<td>PSYC 489</td>
<td>Honors Thesis</td>
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</tbody>
</table>

## Related Courses Required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANTH 111</td>
<td>Introduction to Anthropology (May satisfy general education category B and D)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 126</td>
<td>Human Biology (May satisfy general education category S)</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 114</td>
<td>Microcomputer Packages (May satisfy general education category S)</td>
<td>3 or 4</td>
</tr>
<tr>
<td>CSCI 116</td>
<td>Business Use of Computers</td>
<td></td>
</tr>
<tr>
<td>MATH 103</td>
<td>College Algebra (or higher level if needed as a prerequisite)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology (May satisfy general education category B)</td>
<td>3</td>
</tr>
<tr>
<td>STAT 330</td>
<td>Introductory Statistics (May satisfy general education category R)</td>
<td>3</td>
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Select one course from 3 of the following 4 groups (A-D)

### Group A - Social/Personality:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 453</td>
<td>Organizational Psychology</td>
</tr>
<tr>
<td>PSYC 468</td>
<td>Personality</td>
</tr>
<tr>
<td>PSYC 470</td>
<td>Experimental Social Psychology</td>
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### Group B - Perception/Cognition:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSYC 460</td>
<td>Sensation &amp; Perception</td>
</tr>
<tr>
<td>PSYC 461</td>
<td>Memory And Knowledge</td>
</tr>
<tr>
<td>PSYC 464</td>
<td>Attention &amp; Thinking</td>
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### Group C - Biological Bases of Behavior:

<table>
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<tbody>
<tr>
<td>PSYC 465</td>
<td>Psychobiology</td>
</tr>
<tr>
<td>PSYC 481</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>PSYC 486</td>
<td>Neuropsychology</td>
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### Group D - Individual Differences:

<table>
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<th>Code</th>
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<tbody>
<tr>
<td>PSYC 463</td>
<td>Experimental Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 471</td>
<td>The Psychology Of Aging</td>
</tr>
<tr>
<td>PSYC 472</td>
<td>Advanced Psychopathology</td>
</tr>
<tr>
<td>PSYC 473</td>
<td>Child Psychopathology and Therapy</td>
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### Group E - Select two of the following:

<table>
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<th>Title</th>
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<tbody>
<tr>
<td>STAT 460</td>
<td>Applied Survey Sampling</td>
</tr>
<tr>
<td>STAT 463</td>
<td>Nonparametric Statistics</td>
</tr>
<tr>
<td>STAT 469</td>
<td>Introduction to Biostatistics</td>
</tr>
<tr>
<td>STAT 472</td>
<td>Time Series</td>
</tr>
</tbody>
</table>

Total Credits 61-65

## Program notes

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