PSYCHOLOGY, B.S. (LIBERAL ARTS)

Begin Campus: Any Penn State Campus
End Campus: University Park, World Campus

Degree Requirements
For the Bachelor of Science degree in Psychology, a minimum of 123 credits is required:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>10-13</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>74-77</td>
</tr>
</tbody>
</table>

9 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 3 credits of GWS courses and 6 credits of GQ courses.

Per Senate Policy 83-80.5, the college dean or campus chancellor and program faculty may require up to 24 credits of coursework in the major to be taken at the location or in the college or program where the degree is earned. For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
A grade of C or better is required for all courses in the major. To graduate, a student enrolled in the major must earn at least a C grade in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44).

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 202A</td>
<td>Effective Writing: Writing in the Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 105</td>
<td>Psychology as a Science and Profession</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 301W</td>
<td>Basic Research Methods in Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYCH 490</td>
<td>Senior Seminar in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses: Require a grade of C or better
Select 6 credits of GQ courses or STAT 200
Select 12 credits of 200-level PSY courses (not to include PSYCH 294, PSYCH 296, or PSYCH 297). At least 3 credits must be from each group A, B, and C.

Group A
PSYCH 253 | Introduction to Psychology of Perception   |
PSYCH 256 | Introduction to Cognitive Psychology      |
PSYCH 260 | Neurological Bases of Human Behavior       |
PSYCH 261 | Introduction to Psychology of Learning    |

Group B

Requirements for the Option
Requirements for the Option: Require a grade of C or better
Select an option

Life Sciences Option (24 credits)
Available at the following campuses: University Park, World Campus

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 218</td>
<td>Human Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 133</td>
<td>Genetics and Evolution of the Human Species</td>
<td></td>
</tr>
<tr>
<td>or BIOL 222</td>
<td>Genetics</td>
<td></td>
</tr>
</tbody>
</table>

Additional Courses: Require a grade of C or better
Select 15 credits from groups A, B, C, and D, including at least 3 credits from each of three different groups:

Group A

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 212</td>
<td>Introduction to Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYCH 221</td>
<td>Introduction to Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYCH 231</td>
<td>Introduction to the Psychology of Gender</td>
<td></td>
</tr>
<tr>
<td>PSYCH 238</td>
<td>Introduction to Personality Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Group C

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 243</td>
<td>Introduction to Well-being and Positive Psychology</td>
<td>12</td>
</tr>
<tr>
<td>PSYCH 269</td>
<td>Evolutionary Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYCH 270</td>
<td>Introduction to Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYCH 281</td>
<td>Introduction to Industrial-Organizational Psychology</td>
<td>12</td>
</tr>
</tbody>
</table>

Select 12 credits of PSYCH courses at the 400 level (not including PSYCH 490, and including no more than 3 credits of PSYCH 493, PSYCH 494, PSYCH 495, or PSYCH 496)

Group B

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 21</td>
<td>Introductory Biological Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 22</td>
<td>Humans as Primates</td>
<td></td>
</tr>
<tr>
<td>ANTH 40</td>
<td>Biocultural Evolution</td>
<td></td>
</tr>
<tr>
<td>ANTH 401</td>
<td>Human Evolution: The Material Evidence</td>
<td></td>
</tr>
<tr>
<td>BBH 410</td>
<td>Developmental and Health Genetics</td>
<td></td>
</tr>
<tr>
<td>HPA 310</td>
<td>Health Care and Medical Needs</td>
<td></td>
</tr>
<tr>
<td>BBH 410</td>
<td>Developmental and Health Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 410</td>
<td>Biocultural Studies of Family Organization</td>
<td></td>
</tr>
<tr>
<td>RHS 100</td>
<td>Introduction to Disability Culture</td>
<td></td>
</tr>
<tr>
<td>RHS 300</td>
<td>Introduction to Rehabilitation and Human Services</td>
<td>12</td>
</tr>
<tr>
<td>RHS 403</td>
<td>Medical Aspects of Disability</td>
<td></td>
</tr>
</tbody>
</table>

Group C

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 110</td>
<td>Biology: Basic Concepts and Biodiversity</td>
<td></td>
</tr>
<tr>
<td>BIOL 141</td>
<td>Introduction to Human Physiology</td>
<td></td>
</tr>
<tr>
<td>BIOL 155</td>
<td>Introduction to the Biology of Aging</td>
<td></td>
</tr>
<tr>
<td>BIOL 161</td>
<td>Human Anatomy and Physiology I - Lecture</td>
<td></td>
</tr>
<tr>
<td>BIOL 177</td>
<td>Biology of Sex</td>
<td></td>
</tr>
<tr>
<td>CHEM 110</td>
<td>Chemical Principles I</td>
<td></td>
</tr>
<tr>
<td>CHEM 111</td>
<td>Experimental Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Chemical Principles II</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>CHEM 113</td>
<td>Experimental Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 210</td>
<td>Organic Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHEM 212</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 213</td>
<td>Laboratory in Organic Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

**Supporting Courses and Related Areas**

**Supporting Courses and Related Areas: Require a grade of C or better**

Select 3 credits in natural sciences from department list

Select 6 credits in social and behavioral sciences from department list

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**Business Option (24 credits)**

*Available at the following campuses: University Park, World Campus*

**Additional Courses: Require a grade of C or better**

Select 15 credits from at least three different groups of the following:

1. **Group 1, Section A**
   - ECON 14  Principles of Economics
   - ECON 102  Introductory Microeconomic Analysis and Policy
   - ECON 104  Introductory Macroeconomic Analysis and Policy
   - ECON 302  Intermediate Microeconomic Analysis (or higher-numbered ECON course)
   - PLSC 412  International Political Economy
   - PLSC 444  Government and the Economy
   - PLSC 481  Global Political Economy
   - PLSC 490  Policy Making and Evaluation

2. **Group 1, Section B**
   - BA 301  Finance
   - FIN 301  Corporation Finance (or any higher-numbered FIN course)

3. **Group 1, Section C**
   - BA 303  Marketing
   - MKTG 301  Principles of Marketing (or any higher-numbered MKTG course)

4. **Group 1, Section D**
   - ACCTG 211  Financial and Managerial Accounting for Decision Making

5. **Group 2, Section A (Management)**
   - BA 304  Management and Organization
   - HPA 57  Consumer Choices in Health Care
   - HPA 101  Introduction to Health Services Organization
   - HPA 210  Health Care Payment
   - HPA 211  Financial Decisions in Health Care Organizations
   - HPA 301W  Health Services Policy Issues (or any higher-numbered HPA course)
   - LER 305  Basic Management Concepts (or any higher-numbered MGMT course)

6. **Group 2, Section B (Law and Ethics)**
   - BA 302  Supply Chains
   - BLAW 243  Legal Environment of Business
   - LER 460  

7. **Group 2, Section D (Communication)**
   - CAS 352  Organizational Communication
   - CAS 450W  Group Communication Theory and Research
   - CAS 452  Organizational Communication Theory and Research
   - ENGL 419  Advanced Business Writing
   - ENGL 460  Business and Literature
   - LER 464  

8. **Group 3, Section A (Global View)**
   - ENGR 451  Social Entrepreneurship
   - GEOG 424  Geography of the Global Economy
   - GEOG 439  Property and the Global Environment
   - GLIS 102N  Global Pathways
   - HPA 401  Comparative Health Systems
   - IB 303  International Business Operations
   - LA 202  Innovation and Entrepreneurship in the Liberal Arts

9. **Group 3, Section B (Diversity)**
   - AFAM/HIST 210  Freedom's First Generation: African American Life and Work, from the Civil War to World War II
   - AFAM/LER/PLSC 445Y  Politics of Affirmative Action
   - AFAM/SOC 409  Racial and Ethnic Inequality in America
   - AFR/IB/PLSC 440  Globalization and Its Implications
   - CED/WMNST 420W  Gender and International Development
   - LER/WMNST 136  

10. **Group 3, Section C (History)**
    - HIST 151  
    - HIST 155  American Business History
    - HIST/LER 458Y  History of Work in America

11. **Group 3, Section D (Technology)**
    - IST 110  Information, People and Technology

**Supporting Courses and Related Areas**

**Supporting Courses and Related Areas: Require a grade of C or better**

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Available at the following campuses: University Park

Quantitative Skills Option (24 credits)

Students planning to apply to medical school should select this option and choose courses to meet the following minimal requirements for most medical schools:

- BIOL 110 and BIOL 230W or BIOL 240W
- CHEM 110, CHEM 111, CHEM 112, CHEM 113, CHEM 210, CHEM 212, and CHEM 213
- PHYS 211 and PHYS 212, or PHYS 250 and PHYS 251.

Code  Title  Credits
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PSYCH 260  Neurological Bases of Human Behavior (also counts in category a of COMMON REQUIREMENTS FOR THE MAJOR)  3

Select 15 credits from groups A, B, C, D, and E, including at least 3 credits from each of four different groups:

A. Genetics
   - BIOL 110  Biology: Basic Concepts and Biodiversity
   - BIOL 133  Genetics and Evolution of the Human Species
   - BIOL 222  Genetics

B. Physiology
   - BIOL 141  Introduction to Human Physiology
   - BIOL 161  Human Anatomy and Physiology I - Lecture
   - BIOL 472  Human Physiology

C. Organic Chemistry
   - CHEM 202  Fundamentals of Organic Chemistry I
   - CHEM 210  Organic Chemistry I
   - CHEM 212  Organic Chemistry II

D. Cell Biology
   - BIOL 230W  Biology: Molecules and Cells
   - BIOL 469  Neurobiology
   - MICRB 106  Elementary Microbiology
   - MICRB 201  Introductory Microbiology
   - MICRB 251  Molecular and Cell Biology I

E. Other Topics
   - BIOL 177  Biology of Sex
   - BIOL 240W  Biology: Function and Development of Organisms
   - BIOL 409  Biology of Aging
   - BBH 470  Functional and Integrative Neuroscience

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better

Select 6 credits in natural sciences from department list  6
Select 3 credits in social and behavioral sciences from department list  3

Quantitative Skills Option (24 credits)

Available at the following campuses: University Park

Students may fulfill the requirements of the Quantitative Skills option by completing a minor in either Statistics or Computer Science and Engineering in lieu of the course requirements listed above. Students choosing this option are encouraged to consult with an adviser designated by the Department of Psychology to determine the suitability of particular courses given their quantitative backgrounds. Other courses with advanced quantitative content may be substituted in Group D with adviser’s approval.

Code  Title  Credits
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Additional Courses
Additional Courses: Require a grade of C or better
Select a total of 15 credits from groups A, B, C, and D:  15

Group A
Select at least 3 credits of the following:

- MATH 38  Elementary Linear Algebra
- MATH 110  Techniques of Calculus I
- MATH 111  Techniques of Calculus II
- MATH 140  Calculus With Analytic Geometry I
- MATH 141  Calculus with Analytic Geometry II

Group B (optional) - Students may take only one of the courses in Group B for credit
Select 3 credits of the following:  3

- CMPSC 101  Introduction to Programming
- CMPSC 121  Introduction to Programming Techniques
- CMPSC 201  Programming for Engineers with C++
- CMPSC 203  Introduction to Spreadsheets and Databases

Group C, Section 1 - Students may take only one of the courses in Group C, Section 1 for credit
Select 3 credits of the following:  3

- STAT 318  Elementary Probability
- STAT 414  Introduction to Probability Theory
- STAT 418  Introduction to Probability and Stochastic Processes for Engineering

Group C, Section 2
Select at least 3 credits of the following:

- STAT 319  Elementary Mathematical Statistics
- STAT 415  Introduction to Mathematical Statistics
- STAT 416  Stochastic Modeling
- STAT 460  Intermediate Applied Statistics
- STAT 462  Applied Regression Analysis
- STAT 464  Applied Nonparametric Statistics

Group D
- CAS 483  Communication and Information Technology II
- CMPSC 122  Intermediate Programming
- PSYCH 404  Principles of Measurement

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better
Select 3 credits in arts/humanities from department list  3
Select 6 credits in natural sciences from department list  6

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in
interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)
- Arts (GA): 3 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 3 credits
- Social and Behavioral Sciences (GS): 3 credits
- Natural Sciences (GN): 3 credits

Integrative Studies
- Inter-Domain Courses (Inter-Domain): 6 credits

Exploration
- GN, may be completed with Inter-Domain courses: 3 credits
- GA, GH, GN, GS, Inter-Domain courses. This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher: 6 credits

University Degree Requirements
First Year Engagement
All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement
6 credits are required and may satisfy other requirements
- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum
3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits
A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits.

Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.