PSYCHOLOGY, B.S. (LIBERAL ARTS)

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

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

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<th>Requirement</th>
<th>Credits</th>
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<td>General Education</td>
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<td>Electives</td>
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</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 Recommended Academic Plan for your intended program.

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.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 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 (http://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.

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 (http://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>
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</thead>
</table>
| Prescribed Courses: Require a grade of C or better
| ENGL 202A | Effective Writing: Writing in the Social Sciences | 3       |
| PSYCH 100 | Introductory Psychology                    | 3       |
| PSYCH 105 | Psychology as a Science and Profession     | 3       |
| PSYCH 301W| Basic Research Methods in Psychology       | 4       |
| PSYCH 490 | Senior Seminar in Psychology               | 3       |

Additional Courses
Additional Courses: Require a grade of C or better
Select 6 credits of GQ courses
PSYCH 200  Elementary Statistics in Psychology  4
or STAT 200  Elementary Statistics  4
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
- PSYCH 212  Introduction to Developmental Psychology
- PSYCH 221  Introduction to Social Psychology
- PSYCH 231  Introduction to the Psychology of Gender
- PSYCH 238  Introduction to Personality Psychology

Group C
- PSYCH 243  Introduction to Well-being and Positive Psychology
- PSYCH 269  Evolutionary Psychology
- PSYCH 270  Introduction to Abnormal Psychology
- PSYCH 281  Introduction to Industrial-Organizational Psychology

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)

Requirements for the Option
Requirements for the Option: Require a grade of C or better
Select an option  24-27

Requirements for the Option: Require a grade of C or better
Select 15 credits from at least three different groups of the following (3 credits in any category can be replaced by LA 495, but internship credits alone cannot be used to complete a category):

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

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

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

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

Group 2, Section A (Management)
Psychology, B.S. (Liberal Arts)

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 Human Resources Fundamentals
MGMT 301 Basic Management Concepts (or any higher-numbered MGMT course)

Group 2, Section B (Law and Ethics)
BA 302 Supply Chains
BLAW 243 Legal Environment of Business
LER 460 Ethics in the Workplace
PHIL 119 Ethical Leadership
PHIL 406 Seminar in Business Ethics
PHIL/STS 407 Technology and Human Values
PHIL 418 Seminar in Ethical Theory
PHIL/STS 432 Medical and Health Care Ethics
SCM 301 Supply Chain Management

Group 2, Section C (Labor Relations)
LER 100 Introduction to Labor and Human Resources
LER 304 Labor and Employment Relations Fundamentals
Any LER 400-level course

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 Communication Skills for Leaders in Groups and Organizations

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

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/PJSC 445Y Politics of Affirmative Action
AFAM/SOC 409 Racial and Ethnic Inequality in America
AFR/IB/PJSC 440 Globalization and Its Implications
CED/WMNST 420W Gender and International Development
LER/WMNST 136 Race, Gender, and Employment

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

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
Select 3 credits in arts/humanities from department list 3
Select 3 credits in natural sciences from department list 3
Select 3 credits in social and behavioral sciences from department list 3

Neuroscience Option (24-27 credits)
Available at the following campuses: University Park

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
Additional Courses
Additional Courses: Require a grade of C or better
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 Mammalian 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
Psychology, B.S. (Liberal Arts)

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
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 from 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:
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