BIOBEHAVIORAL HEALTH, B.S. (CAPITAL)

Begin Campus: Any Penn State Campus
End Campus: Harrisburg

Program Description
This major provides interdisciplinary training designed to integrate biological, behavioral, and social science approaches to the study of human health and illness. Emphasis is placed on the study of physical health. The goal of this major is to help students gain working familiarity with multiple perspectives, approaches, and methods needed to address and solve problems of human health and illness. Students may select courses in the supporting courses category that will fulfill requirements for admission to graduate and professional programs. This major helps prepare graduates for entry-level jobs in a range of biomedical and health-related areas, including roles as research assistants, laboratory managers, biomedical product representatives, technical support positions in biomedical and health-related fields. This major also will provide excellent preparation for advanced study in natural and social science disciplines and related professional areas such as epidemiology, public health, environmental health and safety, and human services.

What is Biobehavioral Health?
Biobehavioral Health is the integrative scientific study of the many different processes that affect health (biological, psychosocial, environmental, etc.). The discipline focuses on how these different processes affect health and the development of interventions to affect these processes and health outcomes.

You Might Like This Program If...
- You are curious about all aspects of health.
- You want to understand health in a complex manner, by understanding the multiple and layered forces that affect health.
- You like to answer important questions by considering multiple different perspectives, and you like to study information from many disciplines (e.g. biology, psychology, neuroscience, sociology, anthropology, etc.).
- You want to pursue a health-related career, whether it be in a laboratory, clinical practice, or consulting capacity.

Entrance to Major
In order to be eligible for entrance to this major, a student must:
1. attain at least a C (2.00) cumulative grade-point average for all courses taken at the University; and
2. have third-semester classification (http://www.registrar.psu.edu/registration/semester_classification.cfm).

READ SENATE POLICY 37-30: ENTRANCE TO AND CHANGES IN MAJOR PROGRAMS OF STUDY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/37-00-entrance-to-a-college-or-major)

Degree Requirements
For the Bachelor of Science degree in Biobehavioral Health, a minimum of 120 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>1-2</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>94-96</td>
</tr>
</tbody>
</table>

21-22 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 3-4 credits of GQ courses; 9 credits of GN courses; 6 credits of GS courses; 3 credits of GHW 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. BBH requires students to complete 24 credits for the major through courses taken at University Park, Greater Allegheny, New Kensington and through World Campus. For more information, check the Recommended Academic Plan for this major.

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 (http://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). More information, check the Suggested Academic Plan for your intended program.

**Requirements for the Major**
To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44. Students should consult with their college or department adviser for information on specific credit requirements.

**Prescribed Courses:**
- Biology: Basic Concepts and Biodiversity 4
- Introductory Principles of Nutrition 3

**Prescribed Courses: Require a grade of C or better**
- Introduction to Biobehavioral Health 3
- Research Strategies for Studying Biobehavioral Health 3
- Interdisciplinary Integration in Biobehavioral Health 3
- Foundations and Principles of Health Promotion 3
- Research and Applications in Biobehavioral Health 3
- Principles of Epidemiology 3
- Human Anatomy and Physiology I - Lecture 3
- Human Anatomy and Physiology II - Lecture 3
- Introductory Psychology 3

**Additional Courses**
- Genetics and Evolution of the Human Species 3
- Analysis of the Human Species 3
- Genetics 3

**Select 3 credits from the following:**
- Values and Ethics in Biobehavioral Health Research and Practice 3
- Philosophy of Science 3
- Bioethics 3
- Introduction to Bioethics 3

**Select 3-4 credits from the following:**
- Biology: Molecules and Cells 3-4
- Introductory Chemistry 3
- Chemical Principles I 3
- Chemical Principles I - Honors 3
- Introduction to General, Organic, and Biochemistry 3
- Elementary Microbiology 3
- Elementary Microbiology 3

**Select 9 credits from the following:**
- General Endocrinology 9
- Introductory Biological Anthropology 9
- Humans as Primates 9
- Sex and Evolution 9
- Introduction to the Biology of Aging 9
- Human Anatomy and Physiology I - Laboratory 9
- Human Anatomy and Physiology II - Laboratory 9
- Biology: Populations and Communities 9
- Biology: Molecules and Cells 9
- Biology: Function and Development of Organisms 9
- Biology of Aging 9
- Advanced Genetics 9
- Elementary Biochemistry 9
- Experimental Chemistry I 9
- Chemical Principles II 9
- Experimental Chemistry II 9
- Fundamentals of Organic Chemistry I 9
- Organic Chemistry I 9
- Laboratory in Organic Chemistry 9
- Fundamentals of Organic Chemistry II 9
- Experimental Chemistry II 9
- Organic Chemistry II 9
- Environment Earth 9
- Environment Earth: Environment and Energy 9
- Energy and the Environment 9
- Energy and the Environment 9
- Energy Conservation for Environmental Protection 9
- Energy Conservation for Environmental Protection 9
- Resource Wars 9
- Sensory Evaluation of Foods 9
- Food Engineering Principles 9
- Food Toxins 9
- Food Microbiology 9
- Climates of the World 9
- Climates of the World 9
- Biogeography and Global Ecology 9
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICRB 106</td>
<td>Elementary Microbiology</td>
</tr>
<tr>
<td>MICRB 107</td>
<td>Elementary Microbiology Laboratory</td>
</tr>
<tr>
<td>PHYS 250</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PHYS 251</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>PSYCH 260/BBH 203</td>
<td>Neurological Bases of Human Behavior</td>
</tr>
<tr>
<td>PSYCH 460</td>
<td>Comparative Psychology</td>
</tr>
<tr>
<td>PSYCH 461</td>
<td>Advanced Conditioning and Learning</td>
</tr>
<tr>
<td>PSYCH 462</td>
<td>Physiological Psychology</td>
</tr>
<tr>
<td>PSYCH 464</td>
<td>Behavior Genetics</td>
</tr>
<tr>
<td>PSYCH 470</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYCH 473</td>
<td>Behavior Modification</td>
</tr>
<tr>
<td>VBSC 211</td>
<td>The Immune System and Disease</td>
</tr>
<tr>
<td>VBSC 230</td>
<td>The Science of Poisons</td>
</tr>
<tr>
<td>VBSC 231</td>
<td>Introduction to Cancer Research and Medicine</td>
</tr>
</tbody>
</table>

Select 9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 100</td>
<td>Preventing Vocal Abuse, Misuse, and Disorders</td>
</tr>
<tr>
<td>CSD 101</td>
<td>Preventing Hearing Loss</td>
</tr>
<tr>
<td>CSD 146</td>
<td>Introduction to Communication Sciences and Disorders</td>
</tr>
<tr>
<td>CSD 218</td>
<td>American Sign Language I</td>
</tr>
<tr>
<td>CSD 230</td>
<td>Introduction to Audiology</td>
</tr>
<tr>
<td>CSD 269</td>
<td>Deaf Culture</td>
</tr>
<tr>
<td>HDHS 229</td>
<td>Infant and Child Development</td>
</tr>
<tr>
<td>HDHS 229H</td>
<td>Infant and Child Development</td>
</tr>
<tr>
<td>HDHS 239</td>
<td>Adolescent Development</td>
</tr>
<tr>
<td>HDHS 249N</td>
<td>Adult Development and Aging</td>
</tr>
<tr>
<td>HDHS/WMNST 250</td>
<td>Sexual Identity over the Life Span</td>
</tr>
<tr>
<td>HDHS 302A</td>
<td>Leadership and Technology Skills for Human Services Professionals A</td>
</tr>
<tr>
<td>HDHS 311</td>
<td>Human Development and Family Studies Interventions</td>
</tr>
<tr>
<td>HDHS 315</td>
<td>Family Development</td>
</tr>
<tr>
<td>HDHS 405</td>
<td>Gender and Social Development</td>
</tr>
<tr>
<td>HDHS 416/SOC 411</td>
<td>Racial and Ethnic Diversity and the American Family</td>
</tr>
<tr>
<td>HDHS 418</td>
<td>Family Relationships</td>
</tr>
<tr>
<td>HDHS 428</td>
<td>Infant Development</td>
</tr>
<tr>
<td>HDHS 429</td>
<td>Advanced Child Development</td>
</tr>
<tr>
<td>HDHS/SOC 431</td>
<td>Family Disorganization: Stress Points in the Contemporary Family</td>
</tr>
<tr>
<td>HDHS 433</td>
<td>Developmental Transition to Adulthood</td>
</tr>
<tr>
<td>HDHS 445/PSYCH 416</td>
<td>Development Throughout Adulthood</td>
</tr>
<tr>
<td>HPA 57</td>
<td>Consumer Choices in Health Care</td>
</tr>
<tr>
<td>HPA 101</td>
<td>Introduction to Health Services Organization</td>
</tr>
<tr>
<td>HPA 310</td>
<td>Health Care and Medical Needs</td>
</tr>
<tr>
<td>KINES 100</td>
<td>The Cultural and Behavioral Foundations of Kinesiology</td>
</tr>
<tr>
<td>KINES 101</td>
<td>The Biophysical Foundations of Kinesiology</td>
</tr>
<tr>
<td>KINES 165</td>
<td>Health Education Concepts</td>
</tr>
<tr>
<td>KINES 203</td>
<td>Medical Terminology for Allied Health Professionals</td>
</tr>
</tbody>
</table>

KINES 304 | First Aid: Instructors |
KINES 356 | Activity and Instructors |
KINES 358 | Ergogenic Aids |
NURS 401 | Concepts of Disease |
NURS 452 | Women's Health Issues |
NUTR 358 | Assessment of Nutritional Status |
NUTR 360 | Nutrition Education and Behavior Change Theory |
PSYCH 212 | Introduction to Developmental Psychology |
PSYCH 243 | Introduction to Well-being and Positive Psychology |
PSYCH 270 | Introduction to Abnormal Psychology |

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDFS 129</td>
<td>Introduction to Human Development and Family Studies</td>
</tr>
<tr>
<td>HDFS 229</td>
<td>Infant and Child Development</td>
</tr>
<tr>
<td>HDFS 239</td>
<td>Adolescent Development</td>
</tr>
<tr>
<td>HDFS 249N</td>
<td>Adult Development and Aging</td>
</tr>
</tbody>
</table>

Additional Courses: Require a grade of C or better

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 200</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>or STAT 250</td>
<td>Introduction to Biostatistics</td>
</tr>
</tbody>
</table>

Select 15 credits from the following (at least 6 credits must be at the 400 level):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBH 203/PSYCH 260</td>
<td>Neurological Bases of Human Behavior</td>
</tr>
<tr>
<td>BBH 251</td>
<td>Straight Talks I: Advanced Sexual Orientation/Gender Identity Peer Education</td>
</tr>
<tr>
<td>BBH/AFAM 302</td>
<td>Diversity and Health</td>
</tr>
<tr>
<td>BBH/AFR 305</td>
<td>Introduction to Global Health Issues</td>
</tr>
<tr>
<td>BBH 315</td>
<td>Gender and Biobehavioral Health</td>
</tr>
<tr>
<td>BBH 324</td>
<td>HealthWorks Peer Education Training</td>
</tr>
<tr>
<td>BBH 368</td>
<td>Neuroanatomy, Behavior, and Health</td>
</tr>
<tr>
<td>BBH 390A</td>
<td>Preparation for Global Health Field Experience</td>
</tr>
<tr>
<td>BBH 402</td>
<td>African Health &amp; Development</td>
</tr>
<tr>
<td>BBH 407</td>
<td>Global Health Equity</td>
</tr>
<tr>
<td>BBH 410</td>
<td>Developmental and Health Genetics</td>
</tr>
<tr>
<td>BBH 416</td>
<td>Health Promotion II: Planning, Implementation, and Evaluation</td>
</tr>
<tr>
<td>BBH 417</td>
<td>Advanced Applications in Health Promotion</td>
</tr>
<tr>
<td>BBH 432</td>
<td>Biobehavioral Aspects of Stress</td>
</tr>
<tr>
<td>BBH 446</td>
<td>Human Sexuality as a Health Concern</td>
</tr>
<tr>
<td>BBH 451</td>
<td>Pharmacological Influences on Health</td>
</tr>
<tr>
<td>BBH/WMNST 452</td>
<td>Women's Health Issues</td>
</tr>
<tr>
<td>BBH/WMNST 458</td>
<td>Critical Feminist Issues in Reproduction</td>
</tr>
<tr>
<td>BBH 468</td>
<td>Neuroanatomical Bases for Disorders of Behavior and Health</td>
</tr>
<tr>
<td>BBH/BIOH 469</td>
<td>Neurobiology</td>
</tr>
<tr>
<td>BBH/BIOH 470</td>
<td>Functional and Integrative Neuroscience</td>
</tr>
<tr>
<td>BBH 490</td>
<td>Introduction to Internship Experience</td>
</tr>
</tbody>
</table>

Supporting Courses and Related Areas: Select 3 credits in health promotion from approved list, in consultation with adviser
Select 9 credits in University-wide offerings from approved list, in consultation with adviser (Students may apply 6 credits of ROTC.)

\(^1\) Must include at least 6 credits at the 400 level.

## Academic Advising

The objectives of the university’s academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

### Harrisburg

Raffy Luquis, Ph.D.
Program Coordinator
Olmsted Building W314
Middletown, PA 17057
717-948-6730
orl100@psu.edu

### Greater Allegheny

Advising Office
Academic Affairs
101 Frable Building
4000 University Drive
McKeensport, PA 15132
412-675-9140
GA-Academics@lists.psu.edu

### Lehigh Valley

Samantha Beebe
Coordinator of Biobehavioral Health
2809 Saucon Valley Road
Center Valley, PA 18034
610-285-5123
sab705@psu.edu

### New Kensington

Penelope Morrison
Assistant Professor
3550 Seventh Street Rd.
New Kensington, PA 15068
724-334-6719
pkm20@psu.edu

### University Park

Undergraduate Staff Assistant
219A Biobehavioral Health Building
University Park, PA 16802
814-867-1652
penstatebbh@psu.edu

### World Campus

Undergraduate Academic Advising
301 Outreach Building
University Park, PA 16802
814-863-3283
advising@outreach.psu.edu

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2019-20 academic year. To access previous years’ suggested academic plans, please visit the archive (http://bulletins.psu.edu/undergraduate/archive) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

### Harrisburg Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

<table>
<thead>
<tr>
<th>Fall Credits</th>
<th>Spring Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBH 101(^*)</td>
<td>3 BIOL 141(^{11})</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 110(^†)</td>
<td>4 BIOL 142 (Recommended Basic Science)(^#)</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 15, 30, or ESL 15(^‡)</td>
<td>3 HDFS 129, 229, 239, or 249(^†)</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 100(^*)</td>
<td>3 Health and Developmental Science(^#)</td>
<td>3</td>
</tr>
<tr>
<td>General Education Course (GH)</td>
<td>3 General Education Course (GA)</td>
<td>3</td>
</tr>
<tr>
<td>PSU First Year Seminar</td>
<td>1 General Education Course (GQ)(^‡)</td>
<td>3</td>
</tr>
<tr>
<td><strong>17</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Fall Credits</th>
<th>Spring Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBH 310 or 316(^*)</td>
<td>3 BBH 301, PHIL 110, PHIL 132, or RLST 131 (Ethics)</td>
<td>3</td>
</tr>
<tr>
<td>STAT 200 or 250(^††)</td>
<td>3-4 BIH 316 or 311(^†)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101, 110, MICRB 106, or BIOL 230W(^#)</td>
<td>3-4 NUTR 251(^†)</td>
<td>3</td>
</tr>
<tr>
<td>Health and Developmental Science(^#)</td>
<td>3 CAS 100, 100A, 100B, or 100C(^†)</td>
<td>3</td>
</tr>
<tr>
<td>University-Wide Offerings(^5)</td>
<td>3 Basic Science(^6)</td>
<td>3</td>
</tr>
<tr>
<td><strong>15-17</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Third Year

<table>
<thead>
<tr>
<th>Fall Credits</th>
<th>Spring Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 202A, 202B, 202C, or 202D (202A recommended)(^†)</td>
<td>3 BBH 310(^#)</td>
<td>3</td>
</tr>
<tr>
<td>Basic Science(^6)</td>
<td>3 BIOL 133 or 222(^†)</td>
<td>3</td>
</tr>
</tbody>
</table>
### Biobehavioral Health, B.S. (Capital)

**Total Credits 123-125**

<table>
<thead>
<tr>
<th>*</th>
<th>Course requires a grade of C or better for the major</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡</td>
<td>Course requires a grade of C or better for General Education</td>
</tr>
<tr>
<td>#</td>
<td>Course is an Entrance to Major requirement</td>
</tr>
<tr>
<td>†</td>
<td>Course satisfies General Education and degree requirement</td>
</tr>
</tbody>
</table>

1. Starting fall 2019, BIOL 161 then BIOL 163 are required in place of BIOL 141.
2. Starting fall 2019, BIOL 162 then BIOL 164 are recommended for the Basic Sciences requirement in place of BIOL 142.
4. CHEM 101 will no longer be offered at University Park. Students may take CHEM 130 instead of CHEM 101.
5. University-Wide Offerings: AIR 151, 152, 251, 252, 351, ARMY 101, 102, 203, 204, 301, 302, BBH 48, 148S, 390B, 494, 494H, 496, BIOL 162, 164, 400, 411, 496, BISC 2, 3, 4, BMB 211, 401 CHEM 111, 113, 202, 203, 210, 212, 213, CMAS 258, 465, 466, 493, CAS 203, 250, 253, 271, CED 152, 155, ECON 102, ECON 104, HDFS 465, 496, HHD 397, MICRB 107, 201, 202 NAVSC 101, 102, 203, 204, 301, 311 PHYS 211, 212, 250, 251, PSYCH 221, 231, 238, 256, 494, 496 RHO 300, RHO 301, RHO 303, SOC 1, 3, 5, 30, 119, SPAN 1, 2, 3, 100B, (additional courses can be considered in consultation with a BBH adviser).

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

### Advising Notes

**LIMITATIONS ON SOURCE AND TIME FOR CREDIT ACQUISITION:** Per Senate policy 83-80.5, 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. Most majors in Health and Human Development require students to complete up to 24 credits for the major through courses taken at University Park. Courses taken at other Penn State campuses may not be counted toward this 24 credit minimum.

Within the 30 credits of required General Education Domain courses, students must take 6 credits of **Integrative Studies courses** (Inter-domain or Linked courses). If you need additional clarification, consult with your academic adviser.

### Career Paths

Students with a B.S. in Biobehavioral Health have been successful in establishing careers in health-related and other fields. Three major areas of employment include health care, research support, and health advocacy/consulting. Advanced career tracks require a graduate or professional degree. Students are strongly encouraged to engage in practical learning experiences that complement formal classroom learning. This can include training at the University Health Services or a hospital, in a research laboratory, and/or a health-related internship or travel experience. There are several in-house engaged learning experience programs: BBH Internship program, Global Health minor, BBH research laboratory assistant, Clinical Volunteer Training, HealthWorks.
Careers
- Health care: physician assistant, nurse, physician, health care support staff.
- Research Support: laboratory manager, study coordinator, research assistant.
- Health Advocacy: health educator, public health adviser, social worker.

Opportunities for Graduate Studies
Depending on your career goals, you might consider completing a graduate degree (M.S., Ph.D., etc) or a professional degree (M.D., D.O., P.A., M.P.H., J.D.):

- Graduate Program in Biobehavioral Health Department (http://bbh.hhdev.psu.edu/graduate)
- National Institutes of Health Postbaccalaureate Intramural Research Training Award (https://www.training.nih.gov/programs/postbac_irta)
- Accreditation Council for Genetic Counseling – List of Accredited Programs (http://gceducation.org/Pages/Accredited-Programs.aspx)
- The American Occupational Therapy Association, Inc (https://www.aota.org)
- Association of Schools and Programs of Public Health (https://www.aspph.org/discover)

Professional Resources
- Explore Health Careers (https://explorehealthcareers.org)

Contact
Harrisburg
SCHOOL OF BEHAVIORAL SCIENCES AND EDUCATION
Olmsted Building W331
Middletown, PA 17057
717-948-6059
dlk33@psu.edu

Greater Allegheny
4000 University Drive
McKeesport, PA 15132
412-675-9140
GA-Academics@lists.psu.edu
http://greaterallegheny.psu.edu/biobehavioral-health-bs

Lehigh Valley
2809 Saucon Valley Road
Center Valley, PA 18034
610-285-5123
sab705@psu.edu
https://lehighvalley.psu.edu/academics/degrees/biobehavioral-health

New Kensington
3550 Seventh Street Rd.
New Kensington, PA 15068
724-334-6745
jmk18@psu.edu
http://newkensington.psu.edu/4-year-biobehavioral-health

University Park
DEPARTMENT OF BIOBEHAVIORAL HEALTH
219 Biobehavioral Health Building
University Park, PA 16802
814-863-7256
pennstatebbh@psu.edu
http://bbh.hhdev.psu.edu/

World Campus
DEPARTMENT OF BIOBEHAVIORAL HEALTH
219 Biobehavioral Health Building
University Park, PA 16802
814-863-5949
mad193@psu.edu
https://www.worldcampus.psu.edu/degrees-and-certificates/penn-state-online-biobehavioral-health-bachelors-degree/overview