## Binghamton University Psychology Major Requirements

### Core (36 or 42 Credit Hours)

**Introductory and Elective Courses – Foundation**  
“Breadth and Depth in Approaches to Science”

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| **A** | PSYC 111 | General Psychology | Core Course  
Require a C or higher to continue as a Psychology major |
| **B** | Two Math/Sci electives from the **SAME** department |
| **C** | Two Math/Sci electives |
| **D** | Two Psychology electives OR additional Math/Sci electives |

**Important notes for elective courses:**
- 6 Math/Science electives are required with no more than 2 Psychology electives.
- Only 4 credits of Independent Study/Internship (PSYC 390, 395, 397, 490, 492, 493, 494, 499, CDCI 385 or 395) may be used as an elective. See the back of this sheet for a list of Psychology, Math, and Science electives.
- Science and Mathematics courses outside of Psychology cannot include independent study, supervised teaching, or internships.
- At least two courses (8 credits) of Math and Science electives must be taken from the same department.

### Core and Foundational / Experimental Courses – Breadth  
“Developing Experience/Exposure”

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| **E** | PSYC 243 | Statistical Analysis and Design (M)  
**Pre-requisite:** PSYC 111 | Core Course  
Need a C or higher to continue in the major  
**PSYC 243 is a CO-requisite for Foundational courses** |
| **F** | 3 Foundational / Experimental Courses | G | Corresponding Lab  
(Pre-requisite: PSYC 344)  
*No corresponding lab*
|   | PSYC 350 | Human Memory |   |
|   | PSYC 351 | Perception | PSYC 352 Lab in Perception (C & L) |
|   | PSYC 356 | Learning | PSYC 355 Lab in Child Behavior (L)  
*By petition the semester before taking the course.* |
|   | PSYC 358 | Cognition | PSYC 357 Lab in Learning (C & L) |
|   | PSYC 360 | Psychotherapy: Models/Methods | PSYC 359 Lab in Cognition (C & L) |
|   | PSYC 362 | Behavioral Neuroscience | PSYC 361 Lab in Psychotherapy (C & L) |
|   | PSYC 363 | Behavioral Neuroscience Lab (C & L) |
|   | PSYC 385 | Psychological Tests | *No corresponding lab*

### 400-level Courses – Advanced/depth  
“Depth in Research”

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| **H** | PSYC 344 | Research Methods (W)  
**Pre-requisite:** PSYC 243 | Core Course  
Pre-requisite for 400-level courses |
| **I** | 400-level courses |   |   |
|   | Option A: Two 400-level courses |   |   |
|   | Option B: One 400-level course AND 8 credits of research and/or internship (PSYC 395, PSYC 397, approved CDCI) |

**Important notes for 400-level courses:**
- 400-level courses must be taken from two different faculty members and can include PSYC 406, 465, 470, 473, 476, 477, and 480.
- Two courses (8 credits) of Independent Study/Internship (PSYC 395, 397, 490, 492, 493, 494, 499, CDCI 385 or 395) may substitute for one of the 400-level courses. These two Independent Study courses may be taken with the same faculty member. For internship, students MUST receive pre-approval from the Psychology department. Use the application form on the Psychology Advising webpage and attend to the submission deadlines.
- Transfer credit will not be accepted for 400-level courses and Independent Study.
- IMPORTANT: Harpur allows a maximum of 16 credits of Independent Study to count towards your degree. There is also a combined limit of 20 credits; this includes independent study, TA, internship, and HWS.

**Important Notes for the Psychology Major**

- **Requirements to continue as a Psychology major:** C or higher in both PSYC 111 and PSYC 243 (2007 Bulletin).
- **Minimum grade requirements:** C or higher in PSYC 111 and PSYC 243, C or better in all other courses.
- Psychology courses may only be repeated once (2005 bulletin).
- Only one course from Math/Science electives for the major may be taken Pass/Fail. PSYC 395 and PSYC 397 will only be offered on a Pass/Fail basis (2010 Bulletin).
- **Residency Requirement:** At least 16 credits from the Psychology major must be taken in residence at Binghamton University.

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[http://www.binghamton.edu/psychology/undergraduate/](http://www.binghamton.edu/psychology/undergraduate/)  
Email: ugpsyc@binghamton.edu
Choose only from the courses listed below. If you are unsure whether a course will meet this requirement check with the advisor.

<table>
<thead>
<tr>
<th>Science &amp; Mathematics Electives</th>
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<tr>
<td><strong>Anthropology</strong></td>
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<tr>
<td>ANTH 168 – Introduction to Biological Anthropology</td>
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<td>ANTH 242 – Biology, Culture, and Lifestyle</td>
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<td>ANTH 243 – Medical Anthropology</td>
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<td>ANTH 244 – Plagues, Culture and History</td>
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<tr>
<td>ANTH 245 – Bones, Bugs and Forensic Science</td>
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<td>ANTH 246 – Sex and Evolution</td>
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<td>ANTH 248 – Darwinian Medicine</td>
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<td>ANTH 249 – Introduction to Epidemiology</td>
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<td>ANTH 332 – Forensic Anthropology</td>
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<td>ANTH 335 – Human Origins</td>
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<td>ANTH 336 – The Human Skeleton</td>
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<td>ANTH 338 – Introduction to the Primates</td>
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<td>ANTH 380N – Neuroanthropology</td>
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<td>*Courses at a higher level may be acceptable, see advisor</td>
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| **Astronomy**                  |
| ASTR 114 – Sun, Stars, and Galaxies |

| **Biochemistry**               |
| BCHM (all courses) |

| **Biology**                    |
| BIOL (all courses) |

| **Chemistry**                  |
| CHEM (all courses except CHEM 100) |

| **Computer Science**           |
| CS 100 – Fundamentals of Programming Using Basic |
| CS 105 – Introduction to Computing |
| CS 110 – Programming Concepts and Applications |
| CS 205 – Advanced Computer Applications |
| *Courses at a higher level than CS 205 may be acceptable, see advisor |

| **Environmental Studies**      |
| ENVI 101 – Humans & Ecological Environment |
| ENVI 121 – Pollution: Natural & Unnatural |
| ENVI 142 – Water & Watersheds |
| ENVI 201 – Humans & Physical Environment |
| ENVI 342 – Environmental Hydrology (also GEOL 342) |

| **Geography**                  |
| GEOG 101 – Introduction to Geography |
| GEOG 103 – Multicultural Geographies of the U.S. |
| GEOG 105 – Introduction to Geotechnologies of Space & Science |
| GEOG 120 – Weather and Climate |
| GEOG 121 – Physical Geography |
| GEOG 151 – World Regional Geography |
| *Courses at a higher level may be acceptable, see advisor |

| **Geology**                    |
| GEOL (all courses) |

| **Health & Wellness**          |
| HWS 332 – Nutrition |
| HWS 338 – Psych of Sport and Exercise |

| **Mathematics**                |
| MATH 130 – Mathematics in Action |
| MATH 220 – Calculus for Business & Management |
| MATH 224 & 225 – Calculus I (must complete both 2 cr courses) |
| MATH 226 & 227 – Calculus II (must complete both 2 cr courses) |
| *Courses at a higher level than MATH 226 & 227 may be acceptable, see advisor |

| **Philosophy**                 |
| PHIL 121 – Methods of Reasoning |
| PHIL 122 – Elementary Logic |

| **Physics**                   |
| PHYS (all courses) |

| **Math/Science Transfer Courses** |
| MSCI (and courses equivalent to courses listed above) |

**Special Notes:**
- You may choose any 4 credit course above to meet this requirement. Transfer courses that are 3 credits or higher may also be acceptable. Check with the advisor to ensure any courses taken outside of Binghamton can count as math/science electives.
- **IMPORTANT:** Not all courses that have the Gen Ed mathematics (M) designation will count as math/science electives.
- Cross-listed courses can match with either department (e.g., ENVI 121 or GEOL 121 will count)
- Liberal Arts Transfer Courses (LART) do not count towards the major.
- The frequency of these course offerings is up to the individual departments. Not all courses will be offered every semester.
- It is the student’s responsibility to determine if any of the above courses have pre-requisites.

**Psychology Electives**

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<tr>
<th>Course</th>
<th>Gen Ed</th>
<th>Pre-requisite</th>
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<tbody>
<tr>
<td>PSYC 220 Developmental Psychology</td>
<td>(S)</td>
<td>PSYC 111</td>
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<tr>
<td>PSYC 223 Behavior Disorders</td>
<td>(S)</td>
<td>PSYC 111</td>
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<tr>
<td>PSYC 228 Social Psychology</td>
<td>(N)</td>
<td>PSYC 111</td>
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<tr>
<td>PSYC 327 Evolution and Behavior</td>
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<td>PSYC 111 or junior biology standing</td>
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<tr>
<td>PSYC 330 Drugs and Behavior</td>
<td>(S)</td>
<td>PSYC 111</td>
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<tr>
<td>PSYC 382 Personality</td>
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<td>PSYC 111</td>
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<tr>
<td>PSYC course numbers that are cross listed (offered by other departments)</td>
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<td>See individual courses</td>
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<tr>
<td>Any 2 additional Math/Science electives from the above chart</td>
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<tr>
<td>Transfer courses that are PSYC electives (see advisor)</td>
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*A copy of this requirements sheet can be downloaded from: [http://www.binghamton.edu/psychology/undergraduate/advising.html](http://www.binghamton.edu/psychology/undergraduate/advising.html) Last updated: 06/2020*