

DEGREE AUDIT WORKSHEET

<http://psychobiology.binghamton.edu>
email questions to: psybio@binghamton.edu

PSYCHOBIOLOGY MAJOR

TRACK: ORGANISMIC or MOLECULAR - (choose one)

CORE:

44 or 48 credit hours

- ___ PSYC 111 General Psychology
- ___ PSYC 243 Statistical Analysis and Design (**M**)
- ___ PSYC 344 Research Methods (**C**)
- ___ PSYC 362 Physiological Psychology
- ___ BIOL 117 Intro Bio. - Organisms & Populations
- ___ BIOL 118 Intro Bio. - Cellular & Molecular
- ___ Choose one of the following courses:

- PSYC 327 Evolution and Behavior
- BIOL 375 Animal Behavior - &
- BIOL 453 Sociobiology

Note: courses can be core or elective not both.

Due to significant content overlap,
You will not receive credit for both
PSYC 327 & BIOL 375 (Harpur Rule)

- ___ CHEM 107 Intro. Chemistry I
 - ___ CHEM 108 Intro. Chemistry II
 - ___ CHEM 231 Organic Chem I
 - ___ CHEM 332 Organic Chem II
 - ___ Approved Psychobiology Seminar
- or
- ___ CHEM 111 Chemical Principles

- Approved list changes each semester <http://psychobiology.binghamton.edu/news.html>
- 4 credit requirement: 1 approved PSYC 473 (4cr) or 2 approved BIOL 480 (2cr each)
- BIOL 480S can only count toward the Psychobiology major once. (2007 Bulletin).

ELECTIVES:

Notes:

& - Indicates course can also be used to fulfill the Lab Electives requirement.

* - courses can be core or elective not both.

MATH/CHEM/PHYSICS ELECTIVES

(DARS Section E)

O Track: 6-10 credit hrs.

M Track: 6-10 credit hrs.

- ___ CHEM 221 Analytic Chem (4) - &
- ___ CHEM 335 Org Chem Lab (2) - &
- ___ CHEM 434 Bioorganic Chem (4)
- ___ MATH 221 Calculus I (4)
- ___ MATH 222 Calculus II (4)
- ___ MATH 323 Calculus III (4)
- ___ CS 140 Intro Programming (4)
- ___ CS 240 Data Structures (4)
- ___ PHYS 121 or 131 Physics I (4)
- ___ PHYS 122 or 132 Physics II (4)

RELATED SUBJECTS ELECTIVES

(DARS section F)

O Track : 4-6 credit hrs.

M Track: 4-6 credit hrs.

- ___ ANTH 111 Intro to Anthropology (4)
- ___ ANTH 168 Intro to Biological Anthropology (4)
- ___ ANTH 337 Human Biological Variation (4)
- ___ ANTH 338 Intro to Primates (4)
- ___ BIOL 431 Communication in Biol Sciences (4)
- ___ BIOL 479 Watershed Ecology (2)
- ___ CLAS 121 Science and Medical Terminology (4)
- ___ CS 100 Fund of Programming (4)
- ___ CS 105 Intro to Computing (4)
- ___ PHIL 121 Methods of Reasoning (4)
- ___ PHIL 122 {100} Elementary Logic (4)
- ___ PHIL 148 Medical Ethics (4)
- ___ PHIL 200 Intermediate Logic (4)
- ___ PHIL 423 Phil of Science (4)
- ___ SOC 251 Deviant Behavior (4)

http://psychobiology.binghamton.edu/Additional_Related_Subjects.pdf

TYPE A BIOLOGY ELECTIVES (DARS section G)**O Track: 2-6 credit hrs.****M Track: 10-14 credit hrs.**

- ___ BIOL / BCHM 301 Molecular Genetics (4)
- ___ BIOL / BCHM 302 Biochemistry (4)
- ___ BIOL 311 Principles of Cell Biology (4)
- ___ BIOL 313 Cellular Neurobiology (4)
- ___ BIOL 314 General Microbiology (4)
- ___ BIOL 326 General Microbiology Lab (2) - &
- ___ BIOL 327 Developmental Biology (4) - &
- ___ BIOL 331 Animal Physiology (4)
- ___ BIOL 402 Immunology (4)
- ___ BIOL 405 Vertebrate Endocrinology (4)
- ___ BIOL / BCHM 425 Molecular Biology Lab (2) - &
- ___ BIOL / BCHM 426 Biochemistry Lab (2) - &
- ___ BIOL 427 Cell Biology Lab (2) - &
- ___ BIOL 428 Functional Genomics & Proteomics (4) - &

The following courses could count as Biol A or Biol B:

- ___ BE 340 Bioinformatics (3)
- ___ BIOL 340 Genetics Lab (2) - & (co-req BIOL 301 or 351)
- ___ BIOL 435 Human Genetics (4) (co-req BIOL 301 or 330)
- ___ BIOL 483I Microbial Ecology (4) (pre-req BIOL 314)
- ___ BIOL 441 Molecular Ecology (2) - &

Research:

- ___ BIOL 480/496/497 with BCMB Faculty (see advisor)

TYPE B BIOLOGY ELECTIVES (DARS section H)**O Track: 6-10 credit hrs.****M Track: 2-6 credit hrs.**

- ___ BIOL 251 Human Anatomy and Physiology 1 (4) &
- ___ BIOL 252 Human Anatomy and Physiology 2 (4) &
- ___ BIOL 324 Animal Histology (4) - &
- ___ BIOL 330 Genetics (4)
- ___ BIOL 351 Mechanisms in Evolution (4)
- ___ BIOL 352 Marine Biology (4)
- ___ BIOL 355 Ecology (without Lab) (4)
- ___ BIOL 371 Zoology (4) - &
- ___ BIOL 373 Ecology Principles (with Lab) (4) &
- ___ BIOL 375* Animal Behavior (with Lab) - &
- ___ BIOL 450 Ecology, Evol & Animal Behavior (4)
- ___ BIOL 453* Sociobiology (4)
- ___ BIOL 454 Behav Ecology of Primates (4)
- ___ BIOL 456 Evol and Human Behavior (4)
- ___ BIOL 458 Biostatistics (4)
- ___ BIOL 471 Tropical Marine Biol (4) - &
- ___ BIOL 472 Tropical Ecology and Conserv (4) - &
- ___ BIOL 473 Southwest Ecology (4) - &
- ___ BIOL 475 Entomology - &
- ___ BIOL 476 Population Ecology (4) - &

Research:

- ___ BIOL 480/496/497 with EEB Faculty (see advisor)

PSYCHOLOGY ELECTIVES (DARS section I)**O Track: 6-10 credit hrs.****M Track: 2-6 credit hrs.**

- ___ PSYC 220 Developmental Psych (4) (S)
- ___ PSYC 223 Behavior Disorders (4) (S)
- ___ PSYC 327* Evolution and Behavior (4)
- ___ PSYC 330 Drugs and Behavior (4) (S)
- ___ PSYC 351 Perception (4)
- ___ PSYC 352 Perception Lab (2) (C) - &
- ___ PSYC 355 Lab in Child Behavior & (petition ICD)
- ___ PSYC 356 Learning (4)
- ___ PSYC 357 Learning Lab (2) (C) - &
- ___ PSYC 358 Cognition (4)
- ___ PSYC 359 Cognition Lab (2) (C) - &
- ___ PSYC 360 Psychotherapy: Models & Methods (4)
- ___ PSYC 385 Psychological Tests (4)
- ___ PSYC 386 Psychological Tests Lab (2) &
- ___ PSYC 406 Psycholinguistics (4)
- ___ PSYC 473 Additional Approved Seminar (4)

Research:

- ___ PSYC 392/397/493/499 (Independent Study) (4)

OTHER REQUIREMENTS:**THREE LABS**

- Indicated by the following symbol: &
- Must be at or above the 200 level

Note: 4 credits of research with Psychobiology Faculty can substitute for one of the three Lab Electives

20 credits of UPPER LEVEL ELECTIVES

- Must be at or above the 300 level
- Core courses don't count here
- Course numbers in gray don't count here

Note: 8 credits of Research can count here. (Psychobiology, Psychology, or Biology)

http://psychobiology.binghamton.edu/Research_for_Psychobiology_Major.pdf