Psychology - Neuroscience Area of Emphasis

\*This document is a good starting point, but log into DegreeWorks to see your specific requirements (they could be different).

\*The actual “semesters offered” might differ from what is listed here because that information changes occasionally (check Athena to be sure).

**Major Area of Psychology – Neuroscience**

**Methods (7)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course | Name | Prerequisites | Hrs | Semester Offered |
| PSYC 3980 | Research Design in Psychology | PSYC 1101 or PSYC 1101E and [(BIOL 1103 or BIOL 1103E) and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 or BIOL 1107E and BIOL 1107L) or (BIOL 1108 and BIOL 1108L)] and (STAT 2000 or MATH 2200 or MATH 2250 or MATH 2250E or BIOS 2010-2010L) | 3 | All |
| PSYC 3990 | Research Analysis in Psychology | PSYC 2980 or PSYC 3980  | 4 | All |

**Group A - Biological Psychology Courses (6 hours)**

Choose two courses from the following. Courses used in Group A cannot also count in the Area of Emphasis Related Electives.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PSYC 4100 | Cognitive Psychology | (or co) PSYC 3990 (can’t take if had 2530) | 3 | Not regular basis |
| PSYC 4120 | Sensation and Perception | (or co) PSYC 2990 or PSYC 3990 | 3 | F and S |
| PSYC 4130 | Physiological and Comparative Psych | (or co) PSYC 2990 or PSYC 3990 (can’t take if had 2520) | 3 | Not regular basis |
| PSYC 4140 | Cognitive Neuroscience | PSYC 2980 or PSYC 3980; (or co) PSYC 2990 or PSYC 3990 | 3 |  |
| PSYC 4150 | Biological Foundations of Health Psych | (or co) PSYC 3990 | 3 |  |

**Group B - Social, Developmental and Applied Courses (3 hours)**

Choose one course from the following:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PSYC 4200 | Social Psych | (or co) PSYC 2990 or PSYC 3990 (can’t take if had 2560) | 3 | F and S |
| PSYC 4210 | Psychological Testing | (or co) PSYC 2990 or PSYC 3990 | 3 | F and S |
| PSYC 4220 | Developmental Psychology | (or co) PSYC 3990 (can’t take if had 4220E) | 3 | F and S |
| PSYC 4230 | Psychology in the Workplace | (or co) PSYC 2990 or PSYC 3990 | 3 | F and S |

**Advanced Laboratory or Seminar (3 hours)**

Choose one course from the following (selections subject to departmental approval):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PSYC 4300 | Psychology Lab | PSYC 2990 or PSYC 3990 | 3 |  |
| PSYC 5100 | Seminar in Psychology | PSYC 3990 and permission of major | 3 | All |
| PSYC 5850 | Psychopharmacology – Drugs and Behavior | PSYC 4130 or BIOL 1108 |  | F and S |
| PSYC 5000+ | PSYC 5000 level or higher | See Athena for full list each semester |  |  |

**Area of Emphasis-Related Electives**

Choose three courses from the following list.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BCMB 3100 | Intro Biochem and Molecular Bio | (CHEM 2211 or CHEM 2311H or CHEM 2411) and (CHEM 2211L or CHEM 2311L or CHEM 2411L) and BIOL 1107 or BIOL 2107H | 4 | All |
| BCMB(GENE) 3433 | Bio for MedicineMAYMESTER CORTONA, ITALY | BIOL 1107 or BIOL 1107E | 4 | Su |
| BCMB 4120/6120 | Human Biochem and Disease | BCMB(BIOL)(CHEM) 3100 or BCMB 4010/6010 | 4 | F |
| BCMB 4130 | Human Biochem II | BCMB 4120/6120 | 3 | S |
| BIOL 3110L | Basic Skills in the Lab**\*approved for Experiential Learning** | [(BIOL 1107 and BIOL 1107L) or (BIOL 2107H and BIOL 2107L)] and [(CHEM 1212 and CHEM 1212L) or (CHEM 1412 and CHEM 1412L)] | 4 | All |
| BIOL(WILD) 3700 | Animal Behavior | BIOL 1108-1108L | 3 | F |
| BIOL 4960 | Undergrad Research in Bio**\*approved for Experiential Learning** | Permission of department | 4 | All |
| CBIO 3000/L | Comparative Vertebrate Anatomy | One of the following: (BIOL 1103 and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 and BIOL 1107L) or (BIOL 1108 and BIOL 1108L) or BIOL 2107H or BIOL 2108H (can’t take if had CBIO 3010/L) | 4 | F and S |
| CBIO 3010/L | Functional Human Anatomy  | (BIOL 1103 and BIOL 1103L) or (BIOL 1104 and BIOL 1104L) or (BIOL 1107 and BIOL 1107L) or (BIOL 1108 and BIOL 1108L) or BIOL 2107H or BIOL 2108H | 4 | All |
| CBIO 3400 | Cell Bio | BCMB 3100 or BCMB 3100E or BCMB 4010/6010; (pre or co) GENE 3200-3200D or GENE 3200H | 4 | All |
| CBIO 3600 | Developmental Bio | (BIOL 1107 or BIOL 2107H) and (GENE 3200 or PGEN 3580) | 4 | F and Su |
| CBIO 3710 | Principles of Physiology | BIOL 1108-1108L (can’t take if had VPHY 3100 or PMCY 3000 because they are duplicate courses) | 3 |  |
| CBIO 3800 | Neurobiology | BIOL 1104 or BIOL 1108-1108L | 4 | S |
| CBIO 3800L  | Neurobiology Lab | (or co) CBIO(BIOL) 3800 | 2 | Not regular basis |
| CBIO 4200 | Biomed Research in Health and Disease | BCMB(CHEM)(BIOL) 3100 | 3 |  |
| CBIO 4340/6340 | Biology of Aging | GENE 3200-3200D or GENE 3200H or BCMB 3100 or BCMB 3100E or BCMB 4010/6010 (POD for 6340) | 3 | Not regular basis |
| CBIO 4730/6730 | Endocrinology | [(BIOL 1103 and BIOL 1103L) or BIOL 1107-1107L or BIOL 2107H-2107L] and [(BIOL 1104 and BIOL 1104L) or BIOL 1108-1108L or BIOL 2108H-2108L]; pre or co BCMB(BIOL)(CHEM) 3100 | 3 | Not regular basis |
| GENE 3000/D | Evolutionary Bio | BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 2103H or BIOL 1104 or BIOL 1104H or BIOL 1107 or BIOL 1107E or BIOL 1107H or BIOL 2107H or BIOL 1108 or BIOL 1108H or BIOL 2108H or PBIO 1210 or PBIO 1220 | 4 | All |
| GENE 3200/D | Genetics | BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 2103H or BIOL 1104 or BIOL 1104H or BIOL 1107 or BIOL 1107E or BIOL 1107H or BIOL 2107H or BIOL 1108 or BIOL 1108H or BIOL 2108H or PBIO 1210 | 4 | All |
| GRNT 3400E | Cognition and the Aging Brain | (PSYC 1101 or PSYC 1101E or PSYC 1030H) and (BIOL 1103 or BIOL 1103E or BIOL 1103H or BIOL 1107 or BIOL 1107E or BIOL 1107H) | 3 | S |
| GRNT 4010/6010 | Biogerontology |  | 3 | F |
| PMCY 3000 | Human Physiology | BIOL 1107 and BIOL 1107L (can’t take if had VPHY 3100 or CBIO 3710 because they are duplicate courses) | 4 | F |
| PSYC 3810 | Psychology of Health | PSYC 1101 or PSYC 1030H or PSYC 1101E | 3 | Not regular basis |
| PSYC 4100 | Cognitive Psychology | PSYC 3990 (can’t take if had PSYC 2530) | 3 | Not regular basis |
| PSYC 4120 | Sensation and Perception | (or co) PSYC 2990 or PSYC 3990 | 3 | F and S |
| PSYC 4130 | Physiological and Comparative Psych | (or co) PSYC 2990 or PSYC 3990 (can’t take if had 2520) | 3 | Not regular basis |
| PSYC 4140 | Cognitive Neuroscience | PSYC 2980 or PSYC 3980; (or co) PSYC 2990 or PSYC 3990 | 3 |  |
| PSYC 4150 | Biological Foundations of Health Psych | (or co) PSYC 3990 | 3 |  |