

Grove City College Status Sheet

Status Sheets are provided as a convenience for the student and may be helpful for recording completed courses. However, the College Bulletin is the controlling authority on all requirements. Questions should be directed to your academic advisor or the Registrar.

B.S. in Neuroscience Entering in 2017

(W)=Writing Intensive, (SI)=Speaking Intensive, (IL)=Information Literacy courses.

(REVISED 05-08-17)

Name: _____

ID# _____

Date: _____

Year of Anticipated Graduation: _____

Advisor: _____

| | | | |
|--|------------------|--|-----------------|
| TOTAL HOURS REQUIRED FOR THIS DEGREE ----- | 128 HOURS | Minimum CQPA and MQPA required for graduation ----- | 2.00 |
| General Education + Elective Requirements ----- | 54 HOURS | MQPA Courses ----- | BIOL |
| GENERAL EDUCATION REQUIREMENTS ----- | 22 HOURS | Major Requirements ----- | 74 HOURS |

GENERAL EDUCATION REQUIREMENTS----- **22 HOURS**

| | | Cr. | Sem. Taken | Grade |
|--|---------------------------------------|-----|------------|-------|
| HUMANITIES CORE ----- 15 HOURS | | | | |
| HUMA 102 | Civ and the Biblical Revelation (IL)* | 3 | _____ | _____ |
| HUMA 200 | Western Civilization | 3 | _____ | _____ |
| HUMA 202 | Civilization and Literature | 3 | _____ | _____ |
| HUMA 301 | Civilization and the Arts | 3 | _____ | _____ |
| HUMA 303 | Christianity and Civilization | 3 | _____ | _____ |

*The year-long sequence of RELI 211 and 212 may substitute for this course.

WRITING REQUIREMENT----- **3 HOURS**

| | | Cr. | Sem. Taken | Grade |
|----------|-----------------------------------|-----|------------|-------|
| WRIT 101 | Found. of Academic Discourse (IL) | 3 | _____ | _____ |

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT)----- **2 HOURS**

Choose one course from the following:

| | | Cr. | Sem. Taken | Grade |
|-------------------|--|-----|------------|-------|
| COMP 205/SSFT 205 | Ethics, Faith, and the Conscious Mind | | | |
| PHIL 243 | Science and the Human: Inquiry, Design, & the Person | | | |
| SSFT 210 | Science & Religion | | | |
| SSFT 212 | Science, Faith, Technology, & Origins | | | |

2 _____

FOUNDATIONS OF THE SOCIAL SCIENCES----- **0 HOURS**

College requirements met through major-related coursework.

QUANTITATIVE/LOGICAL REASONING----- **0 HOURS**

College requirements met through major-related coursework.

NATURAL SCIENCES (with labs)----- **0 HOURS**

College requirements met through major-related coursework.

PHYSICAL EDUCATION----- **2 HOURS**

| | | Cr. | Sem. Taken | Grade |
|------------------------------|--|-----|------------|-------|
| PHYE 101 (men) / 111 (women) | | 1 | _____ | _____ |
| PHYE 102 (men) / 112 (women) | | 1 | _____ | _____ |

GENERAL ELECTIVES----- **32 HOURS**

| | | Cr. | Sem. Taken | Grade |
|-------|--|-----|------------|-------|
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MAJOR-RELATED REQUIREMENTS----- **35 HOURS**

| | | Cr. | Sem. Taken | Grade |
|----------|--------------------------------------|-----|------------|-------|
| CHEM 101 | General Chemistry I | 4 | _____ | _____ |
| CHEM 102 | General Chemistry II | 4 | _____ | _____ |
| COMP 155 | Introduction to Computer Science | 3 | _____ | _____ |
| MATH 161 | Calculus I | 4 | _____ | _____ |
| PHYS 121 | College Physics I | 4 | _____ | _____ |
| PHYS 122 | College Physics II | 4 | _____ | _____ |
| PSYC 101 | Foundations of Psychological Science | 3 | _____ | _____ |
| PSYC 201 | Statistical Methods | 3 | _____ | _____ |
| PSYC 316 | Behavioral Neuroscience | 3 | _____ | _____ |
| PSYC 318 | Cognitive Psychology | 3 | _____ | _____ |

BIOLOGY CORE REQUIREMENTS----- **17 HOURS**

| | | Cr. | Sem. Taken | Grade |
|----------|--------------------------------|-----|------------|-------|
| BIOL 101 | General Biology I | 4 | _____ | _____ |
| BIOL 102 | General Biology II | 4 | _____ | _____ |
| BIOL 233 | Genetics | 4 | _____ | _____ |
| BIOL 234 | Cell Biology | 4 | _____ | _____ |
| BIOL 488 | Seminar in Biology (W, SI, IL) | 1 | _____ | _____ |

NEUROSCIENCE GROUP 1----- **10 HOURS**

| | | Cr. | Sem. Taken | Grade |
|----------|-------------------------|-----|------------|-------|
| BIOL 302 | Developmental Biology * | 4 | _____ | _____ |
| BIOL 308 | Neurobiology* | 3 | _____ | _____ |
| BIOL 313 | Histology * | 3 | _____ | _____ |

NEUROSCIENCE GROUP 2: Complete a minimum of two of the following:----- **7-8 HOURS**

| | | Cr. | Sem. Taken | Grade |
|----------|----------------------------|-----|------------|-------|
| BIOL 334 | Biochemistry for Biology | 3 | _____ | _____ |
| BIOL 341 | Human/Mammalian Anatomy | 4 | _____ | _____ |
| BIOL 346 | Human/Mammalian Physiology | 4 | _____ | _____ |

BIOLOGY ELECTIVES----- **4-5 HOURS**

To reach the minimum 73 hours for the Neuroscience major requirements, plan to complete additional BIOL courses, choosing from upper-division, seminar, research, or internship options listed below.

UPPER-DIVISION BIOLOGY COURSES

| | | Cr. | Sem. Taken | Grade |
|----------|------------------------------------|-----|------------|-------|
| BIOL 301 | Advanced Genetics * | 4 | _____ | _____ |
| BIOL 305 | Plant Taxonomy | 4 | _____ | _____ |
| BIOL 310 | Zoonotic Disease and Public Health | 4 | _____ | _____ |
| BIOL 314 | Immunology | 3 | _____ | _____ |
| BIOL 320 | Conservation & Wildlife Biology | 4 | _____ | _____ |
| BIOL 322 | The Biology of Cancer* | 3 | _____ | _____ |
| BIOL 323 | Invertebrate Zoology * | 3 | _____ | _____ |
| BIOL 325 | Virology * | 3 | _____ | _____ |
| BIOL 326 | Evolutionary Biology | 3 | _____ | _____ |
| BIOL 331 | Ecology | 4 | _____ | _____ |
| BIOL 403 | Basis of Wildlife Behavior * | 3 | _____ | _____ |
| BIOL 407 | Microbiology | 4 | _____ | _____ |
| BIOL 409 | Entomology * | 4 | _____ | _____ |
| BIOL 421 | Aquatic & Fishery Biology * | 3 | _____ | _____ |

*Offered alternate years. Schedule accordingly.

RESEARCH (min 2 hour commitment), INDEPENDENT STUDY, INTERNSHIP

| | | Cr. | Sem. Taken | Grade |
|------------------|-------------------------|-----|------------|-------|
| BIOL 260/360/460 | Independent Study | 1-3 | _____ | _____ |
| BIOL 270/370/470 | Independent Research | 1 | _____ | _____ |
| BIOL 480 | Internship in Biology | 1-6 | _____ | _____ |
| BIOL 499 | Honors Biology Research | 1-2 | _____ | _____ |

SEMINARS

| | | Cr. | Sem. Taken | Grade |
|----------|-----------------------------------|-----|------------|-------|
| BIOL 208 | Intro to Environmental Education | 2 | _____ | _____ |
| BIOL 372 | Contemporary Topics in Biology | 1 | _____ | _____ |
| BIOL 484 | Issues in Environmental Education | 2 | _____ | _____ |

SUGGESTED FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN NEUROSCIENCE

** Please note that there is considerable flexibility in semesters 5-8 **

Freshman Year

| <u>Fall</u> | <u>Credits</u> | <u>Spring</u> | <u>Credits</u> |
|---|----------------|---|----------------|
| BIOL 101 General Biology I..... | 4 | BIOL 102 General Biology II..... | 4 |
| CHEM 101 General Chemistry I..... | 4 | CHEM 102 General Chemistry II..... | 4 |
| WRIT 101 Foundations of Academic Discourse..... | 3 | MATH 161 Calculus I..... | 4 |
| Physical Education 101 (men)/111 (women)..... | 1 | HUMA 102 Civ and the Biblical Revelation..... | 3 |
| General Electives*..... | <u>4</u> | Physical Education 102 (men)/112 (women)..... | <u>1</u> |
| | 16 | | 16 |

* MATH 111 Pre-Calculus may be appropriate for those wishing to prepare for MATH 161 Calculus I in the spring semester.

Sophomore Year

| <u>Fall</u> | <u>Credits</u> | <u>Spring</u> | <u>Credits</u> |
|--|----------------|---|----------------|
| BIOL 233 Genetics..... | 4 | BIOL 234 Cell Biology..... | 4 |
| PSYC 101 Foundations of Psychological Science..... | 3 | PSYC 201 Statistical Methods..... | 3 |
| HUMA 200 Western Civilization..... | 3 | HUMA 202 Civilization and Literature..... | 3 |
| SSFT Course..... | 2 | General Electives..... | <u>6</u> |
| General Electives..... | <u>4</u> | | 16 |
| | 16 | | |

Junior Year

| <u>Fall</u> | <u>Credits</u> | <u>Spring</u> | <u>Credits</u> |
|---|----------------|-------------------------------------|----------------|
| PHYS 121 College Physics I..... | 4 | BIOL 302 Developmental Biology..... | 3 |
| PSYC 316 Behavioral Neuroscience..... | 3 | BIOL 308 Neurobiology..... | 3 |
| HUMA 301 Civilization and the Arts..... | 3 | PHYS 122 College Physics II..... | 4 |
| General Electives..... | <u>6</u> | PSYC 318 Cognitive Psychology..... | 3 |
| | 16 | General Electives..... | <u>3</u> |
| | | | 16 |

Senior Year

| <u>Fall</u> | <u>Credits</u> | <u>Spring</u> | <u>Credits</u> |
|--|----------------|------------------------------------|----------------|
| Biology Electives..... | 4-5 | BIOL 313 Histology..... | 4 |
| Neuroscience Group 2 Elective..... | 4 | BIOL 488 Biology Seminar..... | 1 |
| COMP 155 Introduction to Computer Science..... | 3 | Neuroscience Group 2 Elective..... | 3-4 |
| HUMA 303 Christianity and Civilization..... | 3 | General Electives..... | <u>6-7</u> |
| General Electives..... | <u>2-3</u> | | 15 |
| | 17 | | |

Consult with your advisor regarding specific courses and course load per semester.

A total of at least 128 credits of coursework are required for graduation.