Degree Program Course List (DPCL) of major requirements for Honors students entering Loyola in 2020-21: NOT AN OFFICIAL RECORD - FOR ADVISING USE ONLY

NAME: **B.S. NEUROSCIENCE - NEUY (Physics)** (CIP 26.1501) **DATE:**

HONORS CURRICULUM - 39 Credits

Foundation Requirements Crs/Grd

First-Year Seminar H121 3____

Ignatian Colloquium H193 or H194 1____

Social Justice Seminar H396 3____

Honors Ethics H215* (check off once completed) □

Disciplinary Requirements

Creative Arts & Culture (H-level or approved performance course(s))

_____ 3____

History I H-level _____ 3____

Literature I H-level _____ 3____

History II or Literature II (H-level, HIST-A/Q/P200+ course, ENGL-N200+ course, or AP credit)

_____ 3____

Mathematics A257 or H257 Calculus I 4____

Chemistry A105/A107 Gen Chem I/Lab 3/1____

Philosophy I H-level _____ 3____

Philosophy II (H-level or PHIL-U/W200+ course)

_____ 3____

Religious Studies I H-level _____ 3____

Religious Studies (H-level or a 200+ RELS course)

_____ 3____

Honors Thesis Sequence

PHYS H498 (3crs. completed in major) □

*May be satisfied with an ethics course in the major; if not, an honors ethics course must be used to satisfy at least one Honors Disciplinary Requirement

Use your Academic Progress Report to keep this document updated:

Single-Sign-On > U-Achieve > Run Audit

Loyola Core reqs are governed by the catalog year that a student is admitted. See Bulletin.

Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola Cumulative for graduation.

MAJOR.....45 Crs

Intro Psychology

A100 _____ 3____

Fundamentals of Neuroscience

NEUR A100_____ 3____

Abnormal or Developmental Psychology

PSYCA230 or PSYCA235

_____ 3____

Intro Research

PSYC A301*_____ 3____

Statistics & Methods

PSYC A303**_____ 3____

Cells & Heredity

BIOL A106 (Lec)_____ 3____

BIOL A107 (Lab)_____ 1____

Intro to Mechanics

PHYS A101 (Lec)_____ 4____

PHYS A103 (Lab)_____ 1____

CAPSTONE

Research in Neuroscience: NEUR G493, G497, or G499_____ 3____

Physics Concentration……..…….....18 crs

Intro to Electromagnetism & Relativity lec + lab

PHYS A102/104_____ 4+1____

Introduction to Waves & Quantum Physics

PHYS A240_____ 4____

Choose 3 Physics/Biophysics Electives***

_____ 3____

_____ 3____

_____ 3____

*A301 prereq: 9 crs. in PSYC courses & 1 college-level math

**A303 prereq: A301 & 1 college-level math

ADJUNCT.....18 Crs

MATH A258_____ 4____

Choose 4 from Adjunct List

_____ 3+1____

_____ 3+1____

_____ 3____

_____ 3____

GENERAL ELECTIVES.....12 Crs

_____ 3____

_____ 3____

_____ 3____

_____ 3____

Adjunct Options

Biology of Organisms with lab BIOL A108 & 109

General Chemistry II with lab CHEM A106 & 108

Object Oriented Programming COSC A217

Behavioral Neuro with lab PSYC A315 & 316

Cognitive Neuro with lab PSYC A422 & 423

Sensation & Perception with lab PSYC A416 & 417

Extra lab credits beyond Adjunct reqs will count in G.E. credits.

***Physics/Biophysics Electives

Cellular Biophysics PHYSA436

Biomech. & Neural Control PHYSA365

Intro to Neural Networks PHYSA437

Thermal Physics PHYSA241

Capstone may be Ind. Study, Directed Readings, or Internship

See your Academic Progress Report for your reqs, options, & progress. See Bulletin for course-descriptions. See LORA for course offerings.

Honors Core .....39 crs

Language.....6 crs

Major.....45 crs

Adjuncts.....18 crs

General Elective.....12 crs

Total.....120 crs

Courses used in the major cannot also be used to satisfy requirements for a minor: Non-major courses WILL be applied to minors as appropriate.