Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2021-22: NOT AN OFFICIAL RECORD - FOR ADVISING USE ONLY

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

English Composition Placement
Take ENGL T122, then choose a Writing About Literature (any N-coded ccourse). AP, IB, CLEP, transfers, & dual-enrollment can fulfill each requirement. Students with WAL credit must still satisfy ENGL T122.

Mathematics Placement:
See current Bulletin for Criteria, and see Academic Progress Report/U-Achieve for LUPL scores.

_____ Register MathA257/Calculus I
_____ Register MathA118/Pre-Calculus
_____ Register MathA110

LOYOLA CORE - 41 Credits

FOUNDATION COURSES Crs/Grade

BIOL T121, BioInquiry_____ 3_____
ENGL T122: Critical Reading & Writing_____ 3_____
MATH A257: Calculus I_____ 4_____
SCIE I: Investigating Nature (satisfied in Major) _____ 0_____
10

KNOWLEDGE-VALUE COURSES

Creative Arts and Cultures_____ 3_____
Hist I _____ 3_____
Hist II _____ 3_____
Phil I: Reasoning_____ 3_____
Phil II: Knowledge & Morality_____ 3_____
Rels I: Christian Traditions_____ 3_____
Rels II: World Religions_____ 3_____
Scie II: Chem A105/107 _____ 3/1____
Social Science_____ 3_____
Writing About Literature_____ 3_____
31

LANGUAGE (Computer Science)

COSC A211_____ 3_____
COSC A212_____ 3_____
6

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.

GPA: Must achieve 2.0 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.....10 Crs

_____3____

_____3____

_____3____

_____1____

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.

Loyola Core.....41 crs
Language.....6 crs
Major.....45 crs
Adjuncts.....18 crs
General Elective.....10 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.