**Paradigm**

**Associate Degree of Science, Bio-Chemical Sciences**

**First Year**

**Fall Credits Spring Credits**

CHEM 121 Chemical Principles I/Lab 4 CHEM 122 Chemical Principles II/Lab 4

MATH 112/121 Calculus 3 RLST 105 Francis & Glob. Iss., G.E. 3

HIST XXX History, G.E.[[1]](#footnote-1) 3 BIOL 111 Biology II/ Lab 4

WRIT 102 Research Writing, G.E. 3 CORE 113 First Year Seminar, G.E. 3

BIOL 110 Biology I/Lab [[2]](#footnote-2) 4 PSYC 101, Intro to Psychology, G.E. 3

FNAR XXX (or ART, MUS, THTR) 1 FNAR XXX (or ART, MUS, THTR) 1

CORE 103 Fall Comm. Enrich., G.E. 0 CORE 104 Spring Comm. Enrich., G.E. 0

BIOL 131/CHEM 192 Fr. Seminar 0\_ \_\_

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**Second Year**

**Fall Spring**

CHEM 221 Organic Chemistry I/Lab 4 ECON 101 Economics 3

PHYS 104/121 General Physics I/Lab 4 CHEM 222 Organic Chemistry II/Lab 4

CHEM/BIOL 200 or higher 4 CHEM/BIOL 200 or higher 4

LANG XXX (102 or above), G.E. 3 PHIL 205 Reason and Respons., G.E. 3

LIT XXX Literature, G.E. 3 STAT 101/205 Essentials of Statistics 3

BIOL 231/CHEM 292 Soph. Seminar 0 FNAR XXX (or ART, MUS, THTR) 1

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Revised 05/20/2021

1. For Duquesne, take a course that satisfies the diversity requirement, such as HIST 105 or HIST 106 [↑](#footnote-ref-1)
2. BIOL 214 or BIOL 406, which are recommended electives by LECOM for two-year Pharmacy students, can be taken instead of BIOL 110 [↑](#footnote-ref-2)