



Department of Nursing

Public Health Informatics and Technology (PHIT)-Program of Study (Effective Summer 2024)

Year One

| <i>(Freshman) Semester 1</i> | Credits | <i>(Freshman) Semester 2</i> | Credits | Total |
|--|---------|--|---------|--------------|
| FRSE 101 <i>Freshman Seminar</i> | 3 | PSYC 101 <i>General Psychology</i> | 3 | |
| ENGL 101 <i>Expository Writing</i> | 3 | ENGL 102 <i>Argument & Research</i> | 3 | |
| SOCI 101 <i>Intro to Sociology</i> | 3 | HEED 102 <i>Life & Health</i> | 3 | |
| BIOL 101 <i>Intro to Biology</i> | 4 | COSC 110 <i>Computer Literacy/Applications</i> | 3 | |
| MATH 125 <i>College Algebra</i> <i>or</i> MATH 141 <i>Pre-Calculus I</i> | 3 | COMM 101 <i>Oral Communication</i> | 3 | |
| (16cr) | | (15cr) | | (31cr Total) |

Year Two

| <i>(Sophomore) Semester 3</i> | Credits | <i>(Sophomore) Semester 4</i> | Credits | Total |
|---|---------|---|---------|--------------|
| COMM 103 <i>Public Speaking</i> <i>or</i> Arts & Humanities GENED Elective | 3 | MATH 155 <i>Intro to Probability & Statistics</i> <i>or</i> PSYC 204 <i>Elementary Statistics</i> | 3 | |
| GENED Elective | 3 | IDIS 240 <i>Medical Terminology</i> | 3 | |
| PHSC 200 <i>Intro to Human Diseases</i> | 3 | BIOL 311 <i>Anatomy & Physiology I</i> | 3 | |
| DANL 280 <i>Fundamentals of Data Science & Analytics</i> <i>(COSC 110 Prerequisite)</i> | 3 | GENED Elective | 3 | |
| NATURAL SCIENCE GENED Elective | 4 | PHIT 285 <i>Intro to Public Health Informatics & Technology</i> <i>(COSC 110)</i> | 3 | |
| (16cr) | | (15cr) | | (31cr Total) |

*Arts & Humanities Elective Listing:

www.bowiestate.edu/about/administration-and-governance/division-of-academic-affairs/academic-advisement-center/general-education-course-list.php

Year Three

| <i>(Junior) Semester 5</i> | Credits | <i>(Junior) Semester 6</i> | Credits | | Total |
|---|---------|---|---------|--|--------------|
| PHSC 304 <i>Fundamentals of Epidemiology</i> | 3 | PHIS 367 <i>Fundamentals of Public & Population Data Privacy & Security</i> <i>(COSC 110 Prerequisite)</i> | 3 | | |
| PHSC 310 <i>Organization of Healthcare Facilities</i> | 3 | PHIS 305 <i>Programming for Healthcare</i> <i>(COSC 110 Prerequisite)</i> | 3 | | |
| PHIT 320 <i>Public Health Predictive Analytics</i> <i>(PHIT 285 Prerequisite)</i> | 3 | IDIS 460 <i>Transcultural Health & Wellness</i> | 3 | | |
| PHSC 300 <i>Health Equity & Social Justice</i> | 3 | PHSC 350 <i>Public Health Perspectives</i> | 3 | | |
| PHIS 361 <i>Public Health Information Systems Analysis & Design</i> <i>(PHIT 285 Prerequisite)</i> | 3 | PHIS 362 <i>Public Health Data Management</i> <i>(PHIS 361 Prerequisite)</i> | 3 | | |
| | (15cr) | | (15cr) | | (30cr Total) |

Year Four

| <i>(Senior) Semester 7</i> | Credits | <i>(Senior) Semester 8</i> | Credits | | Total |
|--|---------|--|---------|--|--------------|
| PHIS 410 <i>Public Health & Clinical Classifications & Information Systems</i> <i>(PHIS 361 Prerequisite)</i> | 3 | PHSC 406 <i>Public Health Research</i> | 3 | | |
| PHSC 420 <i>Public Health Strategic Planning</i> | 3 | PHIT 480 <i>Big Data & Analytics for Public Health</i> <i>(PHIS 362 Prerequisite)</i> | 3 | | |
| PHIT Elective | 3 | PHIT 485 <i>Special Topics in PHIT</i> <i>(PHIT 320 Prerequisite)</i> | 3 | | |
| PHSC 450 <i>Special Topics in Public & Population Health</i> | 3 | PHSC 490 <i>Internship</i> | 4 | | |
| PHIS 475 <i>Public Health Informatics Project Management</i> <i>(PHIT 285 Prerequisite)</i> | 3 | | | | |
| | (15cr) | | (13cr) | | (28cr Total) |

****General Elective Listing:**

<https://www.bowiestate.edu/about/administration-and-governance/division-of-academic-affairs/academic-advisement-center/general-education-course-list.php>

46 General Education Credits (with electives) **74** PHIT/PHIS/PHSC Credits **TOTAL = 120** credit

(Please visit the BSU nursing webpage at www.bowiestate.edu/nursing to learn more!!)