

Name: _____

BASED ON CREDITS

NURSING, B.S.N with Data Analytics/Applied AI Concentration

128 credits plus 3 one-credit PE courses; Additional 15 credits DA/AI Concentration option

GENERAL EDUCATION CORE

BASIC REQUIREMENTS

(6 credits and three 1-credit PE Courses)

Composition and Rhetoric

- EN 103 Composition and Rhetoric I
- EN 104 Composition and Rhetoric II

Physical Education Courses

- PE 100
- PE _____
- PE _____

MODES OF THINKING (6 credits)

Literature (Select one)

- EN 110, EN 112, EN 115

Mathematics (**Satisfied by Major – MA 111**)

Natural Science (**Satisfied by Major**)

Philosophy

- PL 109

Social Sciences (**Satisfied by Major**)

CULTURAL LITERACY (18 credits)

Humanities I and II. *Preferably* select a set (e.g., HI 201/202). However, a combination (e.g., PO 201 + HI 214) is acceptable.

- Hum. I: HI 201, PO 201, HI 213
- Hum. II: HI 202, PO 202, HI 214, HI 262

Humanities III: Great Works of Art & Music

- _____

Humanities IV: Great Works of Literature

- _____

Foreign Language/World Cultures

(Select either two of the same language, any two WC, or one WC and one approved course with international study)

- _____
- _____

CHRISTIAN VALUES AND THEOLOGY

(9 credits)

Catholic Theology

- TH 109

Intermediate Theology

- _____

Values Seminar

- _____

MAJOR (63 credits)

- NU 205: Fundamentals of Nursing
- NU 215: Health and Physical Assessment
- NU 220: Pharmacology
- NU 230: Therapeutic Nursing Intervention
- NU 305: Therapeutic Nutrition
- NU 320: Health Risk Models and Research
- NU 335: The Chronically Ill Adult
- NU 340: Mental Health Nursing
- NU 350: Nursing of the Childbearing Family
- NU 365: Nursing Care of Children
- NU 370: The Older Adult
- NU 430: Nursing of the Acutely Ill Adult
- NU 440: Community & Public Health Nursing
- NU 452: Senior Integrating Seminar
- NU 454: Clinical Nursing Internship

REQUIRED COURSES (26 credits)

- BI 252: Microbiology
- BI 263: Anatomy and Physiology I
- BI 264: Anatomy and Physiology II
- CH 107: Physiological Chemistry
- MA 111: Probability and Statistics
- PS 109: Introduction to Psychology
- PS 240: Human Development

Data Analytics/Applied AI Concentration **(15 credits)**

MA 111: (**Satisfied by Required Courses**)

- MG 220: Data Analysis
- MG 226: Introduction to Data Analytics and AI
- NU 320: (**Satisfied by Major**)
- CS 260: Databases & Data Visualization
- MI 353: Statistical Analysis & Predictive Modeling
- MI 462: Applied AI Platforms and Projects

DeSales University

Example Plan: NURSING MAJOR (BSN) with Data Analytics/Applied AI Concentration

FIRST YEAR

FALL SEMESTER (16 credits + 1 PE credit)

Introduction to Psychology (PS 109) - 3 credits
Anatomy & Physiology I (BI 263) - 4 credits
Composition and Rhetoric I (EN 103) - 3 credits
Foreign Language/World Cultures - 3 credits
Philosophy MOT (PL 109) – 3 credits
Lifetime Fitness and Wellness (PE 100) - 1 credit

SPRING SEMESTER (18 credits + 1 PE credit)

Physiological Chemistry (CH 107) - 5 credits
Anatomy & Physiology II (BI 264) - 4 credits
Composition and Rhetoric II (EN 104) - 3 credits
Foreign Language/World Cultures - 3 credits
Probability & Statistics (MA 111) - 3 credits
Physical Education (Activity) – 1 credit

SECOND YEAR

FALL SEMESTER (18 credits + 1 PE credit)

Fundamentals of Nursing (NU 205) - 4 credits
Microbiology (BI 252) - 4 credits
Health & Physical Assessment (NU 215) - 4 credits
Human Development (PS 240) - 3 credits
Catholic Theology (TH 109) - 3 credits
Physical Education (Activity) – 1 credit

SPRING SEMESTER (17 credits)

Pharmacology (NU 220) - 3 credits
Therapeutic Nursing Interventions (NU 230) - 5 credits
Intermediate Theology - 3 credits
Humanities 1 - 3 credits
Data Analysis (MG220) - 3 credits

THIRD YEAR

FALL SEMESTER (19 credits)

The Chronically Ill Adult (NU 335) - 5 credits
Mental Health Nursing (NU 340) – 5 credits
Therapeutic Nutrition (NU 305) - 3 credits
Intro to Data Analytics & AI (MG 226) - 3 credits
Humanities II - 3 credits

SPRING SEMESTER (19 credits)

The Older Adult (NU 370) - 4 credits
Nursing of the Childbearing Family (NU 350) - 5 credits
Nursing Care of Children (NU 365) - 4 credits
Literature MOT - 3 credits
Databases & Data Visualization (CS260) - 3 credits

FOURTH YEAR

FALL SEMESTER (19 credits)

Nursing of the Acutely Ill Adult (NU 430) - 5 credits
Community and Public Health Nursing (NU 440) - 5 credits
Humanities III - 3 credits
Health Risk Models and Research (NU 320) - 3 credits
Applied AI Platforms and Projects (MI462) - 3 credits

SPRING SEMESTER (17 credits)

Senior Integrating Seminar (NU 452) - 4 credits
Clinical Nursing Internship (NU 454) - 4 credits
Humanities IV - 3 credits
Statistical Analysis & Predictive Modeling (MI353) - 3 credits
Values Seminar - 3 credits