

Name: _____

NURSING BSN, with Data Analytics/Applied AI Concentration

40 courses of three or more credits and 3 one-credit PE courses

GENERAL EDUCATION CORE

BASIC REQUIREMENTS (2 courses and 3 one-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 (2 courses)

- 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 (6 courses)

- 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
(See Master Schedule of Day Classes)
- _____
- Humanities IV: Great Works of Literature
(See Master Schedule of Day Classes)
- _____
- 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

(3 courses)

- Catholic Theology
- TH 109
- Intermediate Theology
- TH 262
- Values Seminar
(See Master Schedule of Day Classes)
- _____

MAJOR

(22 required courses)

- 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 ELECTIVES

(7 courses)

- 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

(7 courses, 2 are Nursing requirements)

- MA 111: (**Satisfied by Required Elective**)
- MG 212: 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

A.Koefer, Director, Academic Resource Center
Effective fall, 2020

For the most up-to-date record of progress toward completion of degree requirements, students should use the Academic Evaluation tool, which is listed under the Academic Planning heading in WebAdvisor.

DE SALES UNIVERSITY

Typical Program: NURSING MAJOR (BSN) with Data Analytics/Applied AI Concentration

FALL SEMESTER

SPRING SEMESTER

FIRST YEAR

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

... or ...

Physiological Chemistry (CH 107)
Anatomy & Physiology II (BI 264)
Composition and Rhetoric II (EN 104)
Foreign Language/World Cultures
Probability & Statistics (MA 111)
Physical Education (Activity)

SECOND YEAR

Fundamentals of Nursing (NU 205)
Microbiology (BI 252)
Health & Physical Assessment (NU 215)
Human Development (PS 240)
Catholic Theology (TH 109)
Physical Education (Activity)

Pharmacology (NU 220)
Therapeutic Nurs. Intervention (NU 230)
Medicine and Morality (TH 262)
Humanities 1
Data Analysis (MG212)

THIRD YEAR

The Chronically Ill Adult (NU 335)
Mental Health Nursing (NU 340)
Therapeutic Nutrition (NU 305)
Intro to Data Analytics & AI (MG 226)
Humanities 2

The Older Adult (NU 370)
Nurs. of the Childbearing Family (NU 350)
Nursing Care of Children (NU 365)
Literature MOT
Databases & Data Visualization (CS260)

FOURTH YEAR

Nursing of the Acutely Ill Adult (NU 430)
Community and Public Health Nursing (NU 440)
Humanities 3
Health Risk Models and Research (NU 320)
Statistical Analysis & Predictive Modeling (MI353)

Senior Integrating Seminar (NU 452)
Clinical Nursing Internship (NU 454)
Humanities 4
Applied AI Platforms and Projects (MI462)
Elective Values Seminar

MOT = Modes of Thought