UNIVERSITY OF JUSTICE HIGH SCHOOL ACADEMY

DIVISION: Pre-Health Sciences

High School Diploma in Pre-Nursing Curriculum Plan

CREDENTIAL: High School Diploma

Duration: 4 Years (Grades 9–12)	**Total Credits: 28.0 Carnegie Units**	**Pathway: Dual-Enrollment / CNA Prep**	**Clinical Practicum: 100 Hours**

1. Executive Summary and Institutional Rationale

The University of Justice High School Academy establishes the High School Diploma in Pre-Nursing program to address the critical national demand for highly prepared, compassionate, and academically rigorous nursing candidates. By integrating rigorous secondary graduation requirements with specialized health science coursework, dual-enrollment college credits, and hands-on nursing clinical simulations, this diploma program creates a direct pipeline into collegiate Bachelor of Science in Nursing (BSN) and Associate Degree in Nursing (ADN) programs.

Students enrolled in the Pre-Nursing Magnet Pathway complete rigorous high school core academics (English, Advanced Mathematics, Chemistry, Biology) alongside specialized nursing preparatory subjects including Human Anatomy & Physiology, Pathophysiology, Medical Terminology, Pharmacology Math, Nursing Dosage Calculations, and Certified Nursing Assistant (CNA) clinical training. Graduates earn a recognized state high school diploma while gaining competitive standing for nursing school admissions.

2. Program Learning Outcomes (PLOs)

- **Master Foundational Biological & Health Sciences:** Demonstrate proficiency in human anatomy, physiology, chemistry, microbiology, and pathophysiology essential for collegiate nursing admissions.
- **Perform Certified Nursing Assistant (CNA) Skills:** Execute direct patient care, vital signs monitoring, personal hygiene assistance, patient mobility transfer, infection control, and BLS/CPR response in accredited clinical environments.
- **Solve Medical Dosage & Pharmacology Mathematics:** Calculate unit conversions, metric dosing, IV flow rates, and ratio-proportion calculations with 100% accuracy standard in nursing practice.
- **Apply Bioethics, Legal Frameworks, & Patient Rights:** Understand HIPAA regulations, medical error prevention, patient advocacy, professional scope of practice, and ethical decision-making in healthcare delivery.
- **Prepare for Collegiate Nursing Admissions:** Achieve competitive TEAS (Test of Essential Academic Skills) exam scores, build a professional health portfolio, and earn college dual-enrollment science credits.

3. Admissions Requirements

- **Academic Eligibility:** Successful completion of 8th grade with a minimum cumulative GPA of 2.5 (or passing score on the High School Academy entrance examination).
- **Recommendation & Essay:** Two academic letters of recommendation and a personal statement outlining commitment to the nursing and health professions.
- **Health Clearance & Immunizations:** Complete physical exam, 10-panel drug screening, criminal background check clearance, and immunization record (Hepatitis B series, MMR, Varicella, Tdap, annual TB test).
- **Commitment Agreement:** Student and parent/guardian signed agreement to complete mandatory weekend/after-school clinical simulation hours.

4. Comprehensive 4-Year (9–12) Curriculum Structure

The curriculum spans 4 academic years (8 Semesters) totaling 28.0 Carnegie Units, combining state high school graduation requirements with specialized pre-nursing magnet electives and dual-enrollment college credits.

GRADE 9 (FRESHMAN YEAR): HEALTHCARE ACADEMY FOUNDATIONS (7.0 CREDITS)	
ENG 901: English I: Literature and Scientific Composition	**1.0 Unit**
Focuses on literary analysis, research writing, medical essay structure, and scientific vocabulary development.	
MAT 901: Algebra I & Health Mathematics	**1.0 Unit**
Standard algebraic functions integrated with healthcare statistics, unit conversions, and algebraic dosage basics.	
SCI 901: Biology I & Lab (Honors)	**1.0 Unit**
Cellular biology, genetics, human body systems overview, biochemistry, and scientific laboratory investigations.	
SOC 901: World History & Global Public Health Systems	**1.0 Unit**
World history integrated with the historical evolution of global healthcare, epidemiology, and disease eradication.	
HSC 901: Introduction to Nursing Professions & Medical Terminology	**1.0 Unit**
Exploration of nursing roles (CNA, LPN, RN, APRN), medical prefixes/suffixes, and professional deportment.	
FL 901: Medical Spanish I / Foreign Language	**1.0 Unit**
Basic conversational Spanish tailored to clinical intake, patient greetings, and medical terminology.	
PE/HEALTH: Physical Education & Personal Wellness	**1.0 Unit**
Cardiovascular fitness, nutrition fundamentals, body mechanics, personal health, and American Heart Association CPR/AED certification.	

GRADE 10 (SOPHOMORE YEAR): PRE-CLINICAL SCIENCE & BODY SYSTEMS (7.0 CREDITS)	
ENG 1001: English II: Technical & Medical Communication	**1.0 Unit**
Technical report writing, patient case history analysis, medical charting literacy, and speech communication.	
MAT 1001: Geometry & Spatial Measurements in Medicine	**1.0 Unit**
Euclidean geometry, spatial reasoning, medical imaging geometry, and graphical analysis of health data.	
SCI 1001: Human Anatomy & Physiology I (Honors / Dual-Enrollment)	**1.0 Unit**
In-depth study of integumentary, skeletal, muscular, nervous, and endocrine systems with cat/organ dissection labs.	
SOC 1001: U.S. History & Healthcare Legislation	**1.0 Unit**
American history with emphasis on federal public health legislation, Medicare/Medicaid establishment, and civil rights in healthcare.	
HSC 1001: Pathophysiology & Disease Processes	**1.0 Unit**
Study of etiology, signs, symptoms, diagnostic tests, and disease mechanisms across major human organ systems.	
FL 1001: Medical Spanish II / Foreign Language	**1.0 Unit**
Intermediate clinical Spanish for medical history taking, symptom assessment, and therapeutic communication.	
ELECTIVE: Computer Applications in Health Informatics & EHR	**1.0 Unit**
Electronic Health Records software training, medical typing (40+ WPM), data privacy, and HIPAA compliance.	

GRADE 11 (JUNIOR YEAR): ADVANCED SCIENCE & CNA CLINICAL PREP (7.0 CREDITS)	
ENG 1101: English III: American Literature & Healthcare Bioethics	**1.0 Unit**
American literary movements combined with bioethical analysis of clinical dilemmas, informed consent, and end-of-life care.	
MAT 1101: Algebra II & Nursing Dosage Calculations	**1.0 Unit**
Advanced algebra, logarithmic functions, dimensional analysis, and error-free medication dosage calculation algorithms.	
SCI 1101: Chemistry I & Lab (Honors / Dual-Enrollment)	**1.0 Unit**
General chemistry, stoichiometry, gas laws, solutions, acid-base chemistry, and organic chemistry principles relevant to biochemistry.	
SOC 1101: U.S. Government & Health Policy	**1.0 Unit**
Federal government structure, constitutional law, healthcare regulatory agencies (FDA, CDC, OSHA), and state nursing practice acts.	
NURS 1101: Certified Nursing Assistant (CNA) Theory & Lab (Dual-Enrollment)	**1.0 Unit**

State-approved CNA curriculum covering basic nursing skills, vital signs, patient hygiene, safety protocols, and mobility assistance.	
SCI 1102: Human Anatomy & Physiology II & Lab	**1.0 Unit**
Cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems with advanced clinical lab simulations.	
ELECTIVE: TEAS Exam Prep & Academic Success Seminar	**1.0 Unit**
Targeted preparation for the ATI TEAS exam (Reading, Math, Science, English), test-taking strategies, and nursing school application prep.	

GRADE 12 (SENIOR YEAR): CNA CLINICAL PRACTICUM & BSN CAPSTONE (7.0 CREDITS)	
ENG 1201: English IV: Senior Capstone & Collegiate Research	**1.0 Unit**
Collegiate-level research paper writing, literature reviews, and oral defense of a senior nursing capstone project.	
MAT 1201: AP / Dual-Enrollment Elementary Statistics	**1.0 Unit**
Probability, hypothesis testing, biostatistics, data interpretation, and clinical trial statistical analysis.	
SCI 1201: Microbiology for Health Professions & Lab (Dual-Enrollment)	**1.0 Unit**
Structure, physiology, and genetics of microorganisms, infectious disease transmission, immunology, and aseptic control.	
NURS 1201: CNA Clinical Practicum (100 Contact Hours)	**1.0 Unit**
Supervised 100-hour direct patient care clinical placement in long-term care facilities and hospital units under RN preceptors.	
SOC 1201: Introductory Psychology & Lifespan Development	**1.0 Unit**
Human growth and development across the lifespan (prenatal to geriatrics), psychological theories, and therapeutic communication.	
HSC 1201: Pharmacology Fundamentals for Pre-Nursing	**1.0 Unit**
Introduction to major drug classifications, pharmacokinetics, pharmacodynamics, drug safety, and nursing administration considerations.	
SENIOR SEM: Senior Nursing Portfolio & BSN Transition Seminar	**1.0 Unit**
Finalizing collegiate BSN program applications, CNA state board exam testing, resume building, and mock admission interviews.	

5. Tuition, Fees, and Comprehensive Cost Structure

The University of Justice High School Academy operates a transparent tuition model covering secondary instruction, dual-enrollment college credits, nursing lab consumables, and clinical placement.

Direct Institutional Costs (Billed Annually / Per Academic Year)

Expense Category	Cost Per Year (USD)	Description
Annual Academy Tuition ($4,200 / year)	$4,200.00	Covers all secondary academic coursework and honors instruction (4-Year Total: $16,800.00).
Dual-Enrollment College Credit Fee	$650.00	Covers transcripted college credits for Anatomy, Chemistry, Microbiology, and CNA courses.
Nursing Simulation & Science Lab Fee	$450.00	Covers anatomical models, dissection specimens, stethoscope/BP kits, PPE, and medical supplies.
Technology & LMS License Fee	$250.00	Access to digital EHR simulation software, TEAS practice engines, and learning management systems.
Total Direct Institutional Costs (Per Year)	**$5,550.00**	**Total billed annually by the Academy (4-Year Total: $22,200.00).**

Estimated Indirect Expenses (Out-of-Pocket / Third-Party)

Note: These items are required across the 4-year program duration but are paid to third-party vendors.

Expense Item	Estimated 4-Yr Cost	Notes
Textbooks & Digital Science Bundles	$600.00	Required 4-year textbook bundles and digital access codes.
Academy Scrubs & Clinical Uniforms	$250.00	Designated Academy pre-nursing scrubs, clinical shoes, and ID badges.
CNA State Licensing & Exam Fee	$125.00 – $150.00	State Board Certified Nursing Assistant competency examination fee (Grade 12).
ATI TEAS Exam Fee	$115.00 – $130.00	National nursing entrance examination fee (Grade 11/12).
Background Check & Health Screening	$150.00 – $250.00	Mandatory for clinical practicum clearance prior to Grade 12.
Total Estimated Indirect Costs	**$1,240.00 – $1,380.00**	**Estimated total 4-year out-of-pocket expenses.**

GRAND TOTAL ESTIMATED 4-YEAR PROGRAM INVESTMENT: $23,440.00 – $23,580.00

6. Financial Aid, Scholarships, and Payment Options

The University of Justice High School Academy is committed to making pre-nursing education accessible through comprehensive financial support options:

- **Academy Merit & Need-Based Scholarships:** Full and partial tuition scholarships awarded based on 8th-grade academic achievement and financial need.
- **State Dual-Enrollment Grant Funding:** State-sponsored tuition assistance covering dual-enrollment college credits for eligible high school students.
- **Interest-Free Monthly Payment Plans:** 10-month or 12-month annual installment plans spread across each academic year.
- **Healthcare Workforce Development Grants:** Community health foundation grants supporting underrepresented students entering nursing and healthcare pathways.

7. Collegiate Nursing Pathway & Industry Credentials

Upon graduation from the Pre-Nursing Magnet High School Diploma program, students earn valuable credentials and preferred admissions pathways:

- **Certified Nursing Assistant (CNA):** State Board certification enabling immediate healthcare employment during college BSN studies.
- **AHA BLS / CPR Certification:** American Heart Association Basic Life Support for Healthcare Providers certification.
- **Transcripted College Credits:** Up to 16–20 transferable college credits in Anatomy & Physiology, Chemistry, Microbiology, and Psychology.

• **Direct-Entry BSN University Pathways:** Guaranteed articulation and preferred admission into partner University of Justice Bachelor of Science in Nursing (BSN) programs.