

Model Programs of Study Guide: Health Sciences

Education Systems Center | ICCB
NORTHERN ILLINOIS UNIVERSITY

ORIENTATION / INTRODUCTION Grades 9-10 | SKILL DEVELOPMENT Grades 10-12 | CAPSTONE / ADVANCED Grades 12 | POSTSECONDARY COURSES Recommended 1st Year

CAREER FOCUSED COURSES

Orientation to Health Occupations or Health Occupations Introductory Skills Development

Medical Terminology & Intro to Anatomy and Physiology

Certified Nursing Asst. Program or Pharmacy Technician Program or Other Sequence Leading to Industry Credential

Continue AS or AAS Course Sequence

Courses and Work-Based Learning Address the PWR Act Recommended Technical and Essential Employability Competencies

WORK-BASED LEARNING

Career Exploration (2) Team-Based Challenge, e.g. HOSA, SkillsUSA, and others

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SCIENCE

Science Sequence

Biology

Chemistry

Biology for Science Majors General Chemistry Anatomy & Physiology I / II Microbiology

SOCIAL SCIENCE

Social Science Sequence

Social Science Sequence

Psychology

Psychology Sociology

MATH

Algebra Geometry

Geometry Algebra 2 Pre-Calculus

Transitional Math: Quantitative Literacy Statistics Pre-Calculus Calculus General Education Math

General Education Math

ENGLISH

English Sequence

English Sequence

Transitional English English Composition

English Composition Oral Communication

AP or Dual Credit

Dual Credit Course

Dual Credit Course Affiliated With IAI Code

Course or Program Prepares for Industry Credential

Postsecondary Course Affiliated with IAI Code

College and Career Pathway Endorsement Earned

Courses in this column were accomplished through early college credit, students should take the next required course in the sequence or, if none, additional AAS or Major Courses

POSTSECONDARY OPTIONS

1 GUIDED TRANSFER

Pre-Med, Pre-Dentistry, or Other Professional Track

Associates of Science

Bachelor's of Science

2 NURSING

Certified Nursing Assistant

Practical Nurse (Certificate)

Registered Nurse AAS

Registered Nurse AAS

Registered Nurse (Bachelor's)

3 OTHER HEALTH PROFESSIONS & RELATED CLINICAL SERVICES

Clinical/Medical Laboratory Science & Allied Professions

Pharmacy and Surgical Technician (Certificate or AAS)

Medical Laboratory Technician AAS

Allied Health Diagnostic, Intervention, and Treatment Professions

Radiography AAS

Respiratory Therapists AAS

Allied Health & Medical Assisting Services

Physical Therapy Assistant AAS

Occupational Therapy Assistant AAS

Dental Hygienist

Dental Hygienist AAS

SELECTED OCCUPATIONS, WAGES, & JOB GROWTH

Program	Typical Job	Near or Above Living Wage Threshold for 1 Adult + 1 Child ¹	Median Hourly Wage ²	Growth in Illinois: Annual Job Openings ²	Growth in Illinois: % Change Over 10 years ²	Stackable?
1 Pre-Professional Track	Pediatricians, General	Y	\$66.93	30	2%	Typically Requires Bachelor's Degree & Prof. School
	Dentists	Y	\$68.79	190	9%	
2 Nursing / Registered Nurse	Nursing Assistants	N	\$13.72	7,340	5%	Typically Required for LPN or RN Can Stack to RN at Select IL Colleges Can Stack to BSN at Select IL Colleges
	Licensed Practical and Licensed Vocational Nurses	Y	\$24.24	1,640	2%	
	Registered Nurses	Y	\$34.74	8,690	15%	
3 Surgical Technology Medical & Laboratory Tech. Radiography Respiratory Therapy Physical Therapist Assistant Occupational Therapy Assistant	Surgical/Pharmacy Technicians	Y	\$15.44 - \$23.05	220 - 1,600	1 - 5%	Not Typically Stackable
	Medical and Clinical Laboratory Technologists	Y	\$34.44	410	4%	
	Radiologic Technologists	Y	\$30.52	380	2%	
	Respiratory Therapists	Y	\$28.62	350	17%	
	Physical Therapist Assistants	Y	\$28.60	730	20%	
Occupational Therapy Assistants	Y	\$29.75	380	21%		
3 Dental Hygiene	Dental Hygienists	Y	\$35.68	580	9%	Not Typically Stackable

1. Living wage calculations are based on MIT's Living Calculator (livingwage.mit.edu), where the "Living Wage" for 1 Adult + 1 Child is \$26.27/hour for the state of Illinois. "Near" defined as 85% of the statewide living wage, which is \$22.33/hour
2. U.S. Department of Labor, CareerOnestop (careeronestop.org/explorecareers)