

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)

Allied Health Diagnostic, Intervention, and Treatment Professions

Medical Laboratory Technician AAS

Allied Health & Medical Assisting Services

Radiography AAS Respiratory Therapists AAS

Dental Hygienist

Physical Therapy Assistant AAS Occupational Therapy Assistant AAS 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)