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SERVICE AREA: Health Sciences





# HEALTH SCIENCE

If you are looking for a hands-on career focused on helping people live healthy lives, the healthcare field may be for you! As one of the fastest growing employment fields, the federal Bureau of Labor Statistics projects that healthcare careers will grow 14 percent through 2028, adding an estimated 1.9 million new jobs. Careers in this sector have a wide range of educational requirements including certificate programs, two-year degrees, four-year degrees and well into graduate school through doctoral degrees.

#### PATHWAYS IN THIS CLUSTER...

- Biotechnology Research and Development
- » Diagnostics Services
- » Health Informatics
- » Support Services
- » Therapeutic Services



#### (→) WANT A SUGGESTED ROADMAP FOR A CAREER IN NURSING?

Check out the Nursing Pathway Plan online at: www.dbqschools.org/ vertex/pathway-plans



#### ...LEAD TO OCCUPATIONS AS:

- Athletic Trainer
- Biochemist
- Dental Assistant/Hygienist
- EMT/Paramedic
- Home Health Aide
- Lab Technician
- Nutritionist
- » Occupational Therapist
- Phlebotomist
- Physician (MD/DO)
- Physician's Assistant
- Radiographer
- Registered Nurse
- Research Scientist
- Speech/Language Pathologist
- Veterinarian

### **DIVE DEEPER INTO CAREER OPTIONS!**



### www.dbgschools.org/ career-exploration

#### login to Kuder Navigator

(the Dubuque Community School District's career information system)

This page is meant to guide student course selection based on career interest and is not a comprehensive list of courses required for graduation from high school or for all 2-year and 4-year college-bound students.

- For comprehensive 4-year course recommendations, review pages 33-35.
- · For comprehensive graduation requirements, review page 4.



#### **CHART YOUR COURSES**

The following high school courses can help prepare you for success in this field after high school. Everyone will have a career - not everyone will go to college. Start charting your courses with CAREER TRAINING and proceed to 2-YEAR-DEGREE and 4-YEAR DEGREE based on your post-secondary plans.

#### CAREER TRAINING

#### Recommended Courses:

CNA101	Certified Nursing Assistant
CNA110	Health Occupations
CNA130	Dosage Calculations
CNA140	Intro to Nutrition
CNA150	Medical Terminology
EMT600	<b>Emergency Medical Technician</b>
WBL300	Employability Skills with Job
	Shadowing
WBL401	Internship

#### Suggested Extension Courses:

FCS235	Child Health, Safety & Nutrition
FCS275	Child Growth & Development
SCI271/272	Anatomy/Physiology

# 2-YEAR DEGREE

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#### Recommended Courses:

ENG641 Composition I ENG643 Public Speaking MTH271/272 Algebra II

SCI271/272 Anatomy/Physiology

## plus recommended CAREER TRAINING courses Suggested Extension Courses:

ENG644 Composition II SCI184 Chemistry SOC443 Psychology SOC541/542 AP Psychology

plus suggested CAREER TRAINING courses

#### 4-YEAR DEGREE +

(+)

#### Recommended Courses:

ENG644 Composition II MTH331/332 Pre-Calculus with Trigonometry or MTH361 Foundations of College Math and MTH362 Math for Liberal Arts

SCI183 Physics SCI184 Chemistry

plus recommended CAREER TRAINING and 2-YEAR DEGREE courses

#### Suggested Extension Courses:

ART113 Art 2D ART114 Art 3D

ENG351/352 AP Language/Composition

SCI531/532 AP Biology SCI561/562 AP Chemistry SCI602 Forensics

plus suggested CAREER TRAINING and 2-YEAR DEGREE courses