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/advanced-degrees-prepping-students.html

Advanced degree offerings prep students for fast-growing jobs across the U.S.

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Buffalo is in a good position when it comes to the fastest-growing jobs that require advanced degrees in the United States.

Of the top 10 jobs, seven involve health care, according to U.S. Bureau of Labor Statistics' employment percent-change projections for 2020 through 2030.

Health-care employers draw the best health care-related educators

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Seven of the 10 fastest-growing jobs that require advanced degrees in the United States involve health care.

to local schools, which help to attract students who may find local jobs at those employers. Then the cycle continues, according to Timothy Glass, state labor department's Western New York labor market analyst.

"Health care is definitely considered a significant industry in this region," he said.

Computer and information research scientists are rank in the top 10.

Computer-related jobs continue to expand as people increase their use of technology, also a growing industry in the Buffalo area, Glass said.

The latest employment projections for Western New York for 2018-2028 show five, all health care, of the top 10 fastest growing jobs that require advanced education matching up with the nation's top 10.

Those five roles are: physician assistants, nurse practitioners, post-secondary nursing instructors and teachers, speech-language pathologists and post-secondary health specialties teachers.

NATIONAL EMPLOYMENT PROJECTIONS FOR 202

Source: U.S. Bureau of Labor Statistics

Below is a summary of advanced degrees that educate students for the nation's fastest-growing roles (listed with the typical entry-level education for those jobs). Information was submitted from the institutions to Buffalo Business First. Schools not listed did not have advanced degrees related to these jobs or did not respond to our inquiries.

Nurse practitioner – master's

Daemen College: M.S. in adult-gerontology primary care nurse practitioner
D'Youville University: M.S. and doctorate of nursing practice degree for family nurse practitioner; M.S.and doctorate of nursing practice degree in psychiatric mental health nurse practitioner
St. Bonaventure University: Master's entry to practice in nursing program (starts spring 2023), where participants become registered nurses while getting a M.S. in nursing
UB School of Nursing: Doctorate of nursing practice degree; doctorate of philosophy in nursing

Statisticians – master's

Canisius College: M.S. in business analytics; M.S. in data analytics
Niagara University: M.S. in finance
SUNY Empire State: M.S. in applied analytics
UB's School of Public Health and Health Professions: M.S. in bioinformatics and biostatistics; M.A., master of public health and doctorate of philosophy in biostatistics. UB's department of mathematics in the College of Arts and Sciences offers master's and doctorate in philosophy programs that include training in statistics.

Physician assistants – master's

Canisius College: M.S. in physician assistant studies
Daemen College: M.S. in physician assistant studies
D'Youville University: program that combines B.S. and M.S. in physician assistant

Epidemiologists – master's

Daemen College: Master of public health
UB's School of Public Health and Health Professions: M.S., doctorate of philosophy and master of public health in epidemiology; M.S. in environmental health sciences

Speech-language pathologists – master's

SUNY Buffalo State: M.S. in education in speech-language pathology
SUNY Fredonia: M.S. in speech-language pathology
UB's College of Arts and Sciences: M.A. in speech-language pathology; doctor of philosophy in communicative disorders and sciences; doctor of audiology

Genetic counselors – master's

UB's Jacobs School of Medicine and Biomedical Sciences: M.S. in genetic counseling

Health specialties teachers, postsecondary (such as dentistry, neurology, nutrition, pharmacology or public

heath professors) – doctoral or professional

This occupation has too many advanced degree options to list

Nursing instructors and teachers, postsecondary – doctoral or professional

Daemen College: M.S. in nursing education; M.S. in nursing executive leadership
D'Youville University: M.S. in nursing education with a clinical focus
SUNY Empire State: M.S. in nursing education
UB's School of Nursing: Doctorate of philosophy in nursing

Computer and information research scientists – master's

Canisius College: M.S. in cybersecurity
Niagara University: M.S. in information security and digital forensics
SUNY Buffalo State: M.S. in data science and analytics
SUNY Empire State: M S. in information technology
UB's School of Engineering and Applied Sciences: M.S. in data science
UB's College of Arts and Sciences: Doctorate of philosophy in information science

Curators (collections, archives, exhibitions, museum, photography and prints, etc.) – master's

SUNY Buffalo State: M.S. in art conservation; M.S. in museum studies
SUNY Empire State: M.A. in public history
UB's College of Arts and Sciences: M.A. in critical museum studies; M.A. in history with a public history concentration

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