



# SCIENTIFIC RESEARCH AND WORLD HEALTH

In Questar III's New Visions Scientific Research & World Health program, students explore cutting edge biomedical research and pressing global health concerns. The program is located at UAlbany's Health Sciences Campus in Rensselaer, where students experience hands-on research in our own biotechnology laboratory. They engage with scientists and public health professionals from academia, private industry and governmental agencies. The primary focus of the program is to develop strong habits of the professional scientific mind. Students ask their own research questions and explore problems in health and biomedicine, and present their work at professional level scientific poster sessions. Students earn 18 college credits from SUNY, Russell Sage College, and the Albany College of Pharmacy and Health Sciences in a fully integrated, hands-on learning environment. This program is uniquely designed for students seeking future careers in life sciences research and associated fields. It is a demanding curriculum taught in a supportive environment where students are encouraged to identify what they are truly motivated to learn about and to use this to help them move forward in the world and pursue their future careers.

## POTENTIAL CAREER OPPORTUNITIES:

- Medicine or healthcare
- Pharmacy
- Biomedical Research
- Veterinary Sciences
- Neuroscience
- Genomics
- Environmental Studies
- Biomedical Engineering
- Biotechnology
- Epidemiology
- Public Health
- Microbiology

## CHARACTERISTICS FOR SUCCESS:

- Interest in scientific research
- Willingness to work in a collaborative environment
- Ability to plan and execute an independent project

# New Visions

## PHARMACOLOGIST

MEDIAN SALARY  
**\$102,000**

TOP EARNERS ABOVE  
**\$114,000**

PROJECTED ANNUAL  
GROWTH THROUGH 2030  
**17%**

## CLINICAL RESEARCH ASSOCIATE

MEDIAN SALARY  
**\$92,000**

TOP EARNERS ABOVE  
**\$205,000**

PROJECTED ANNUAL  
GROWTH THROUGH 2030  
**17%**

## ECOLOGIST

MEDIAN SALARY  
**\$79,000**

TOP EARNERS ABOVE  
**\$107,000**

PROJECTED ANNUAL  
GROWTH THROUGH 2030  
**5%**

QUESTAR III

# SCIENTIFIC RESEARCH AND WORLD HEALTH

## STUDENTS WILL:

- Learn from scientists and public health professionals in a fully integrated, hands-on learning environment
- Develop strong habits of the professional scientific mind
- Ask their own research questions & explore problems in health and biomedicine with professional scientists
- Develop skills to succeed in undergraduate and graduate programs

## HIGH SCHOOL CREDITS:

- Participation in Government – 1/2 credit
- Economics – 1/2 credit
- English 12 Honors (Examining Issues in Science & Health through Literature) – 1 credit
- Biotechnology – 1 credit
- Contemporary Biology – 1/2 credit
- Introduction to Public Health – 1/2 credit
- Microbes and Me – 1 credit

*PLEASE NOTE: Additional high school credits in Physical Education (1/2 credit) and Health (1/2 credit) may be available upon district request and approval.*

## RECOMMENDED HOME SCHOOL DISTRICT COURSES:

- Success at high levels of math and science

*For more information on the availability of this option, please contact your home school counselor.*

## COLLEGE COURSES (18 Credits):

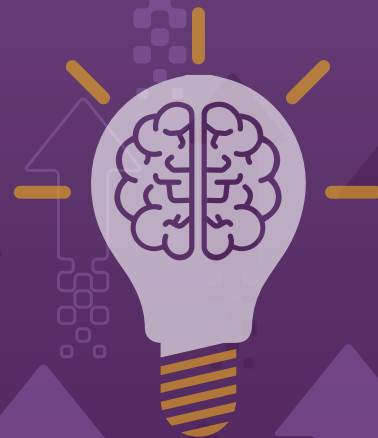
- Topics in Contemporary Biology – 3 credits from SUNY – ACAS 100
- Introduction to Public Health – 3 credits from SUNY – HSPH 201
- Examining Issues in Science & Health through Literature – 3 credits from Russell Sage – ENG148
- Research Methods in Biotechnology – 6 credits from Russell Sage – BIO111
- Microbes and Me – 3 credits from Albany College of Pharmacy – BIO105

## COLLEGES ATTENDED:

Colleges attended by New Visions graduates include:

- Princeton University, Cornell University, Bucknell University, University at Rochester, Columbia University, Stanford University, SUNY Geneseo, Smith College, Massachusetts College of Pharmacy, Rensselaer Polytechnic Institute, Worcester Polytechnic Institute, Clarkson University, University of Toronto, University at Albany, Stony Brook University and more!

# New Visions



## CONTACT INFORMATION:

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