

# EMEKA NWANOCHE

## PURDUE GRADUATE STUDENT

Major: *Biomedical Engineering, Ph.D.*

Home Country: *Nigeria*

### *Why did you choose Purdue?*

Besides the fact that Purdue University is a highly ranked engineering school in the country, and it was recommended by my old college professor/Purdue alumnus, I was particularly drawn to the fact that Purdue's Weldon School of Biomedical Engineering offers a unique pathway program that aims to recruit scientists (like me) with no prior engineering training but demonstrate strong interest in applying engineering principles to solve biomedically relevant issues.

### *Please briefly describe your research:*

My research focuses on the understanding and utilization of specific biomolecular and chemical interactions to inform the design, development, and integration of molecular diagnostic assays onto portable platforms. Currently I am working on a collaborative project that aims to bring a sample-to-answer smartphone-based HIV viral load monitoring device near the point-of-care.

### *How do you de-stress in your free time?*

Besides, hitting the gym early in the morning, occasionally I love to eat ice cream while watching a really bad movie. This usually takes away the stress of the day as it requires no brain power to keep up. Over the weekends, if not working, I catch up with my colleagues/friends and sometimes we grill outside depending on the weather.



### *What was your process for selecting a graduate school?*

My process involved taking advantage of the numerous resources made available on individual school's official webpage. In cases where I needed more information on a subject, I would quickly reach out to the graduate school contact, current graduate students, and members of a particular lab of interest. I would later use this information to populate my pros and cons excel spreadsheet to help narrow down my options. In the event where a decision could not be made outright, I would wait until after each recruitment visit to campus, which always makes my decision a lot easier.

### *What are you hoping to do after your life at Purdue?*

I am hoping to find a job in industry either as a consultant or as a senior scientist. Places with possible prospects includes the West (California, Seattle) or East Coast (Washington D.C, New York, Boston) of the United States.

# EXPLORE YOUR OPTIONS

## PURDUE GRADUATE PROGRAMS

### COLLEGE OF AGRICULTURE

Agricultural and Biological Engineering  
Agricultural Economics  
Agricultural Sciences Education and Communication  
Agronomy  
Animal Sciences  
Biochemistry  
Botany and Plant Pathology  
Entomology  
Food Science  
Forestry and Natural Resources  
Horticulture

### COLLEGE OF EDUCATION

Curriculum and Instruction  
Educational Studies

### COLLEGE OF ENGINEERING

Aeronautics and Astronautics  
Biomedical Engineering  
Chemical Engineering  
Civil Engineering  
Electrical and Computer Engineering  
Engineering Education  
Engineering Management  
Environmental and Ecological Engineering  
Industrial Engineering  
Interdisciplinary Engineering  
Materials Engineering  
Mechanical Engineering  
Nuclear Engineering

### INTERDISCIPLINARY PROGRAMS

Defense Engineering and Technology  
Biomedical Sciences  
Ecological Sciences and Engineering  
Information Security  
Life Science

### COLLEGE OF HEALTH AND HUMAN SCIENCES

Consumer Science  
Health and Kinesiology  
Health Sciences  
Hospitality and Tourism Management  
Human Development and Family Studies  
Nursing  
Nutrition  
Psychological Sciences  
Public Health  
Speech, Language, and Hearing Sciences

### COLLEGE OF LIBERAL ARTS

American Studies  
Anthropology  
Art  
Communication  
Comparative Literature  
Design  
English  
History  
Languages and Cultures  
Linguistics  
Philosophy  
Political Sciences  
Sociology  
Theatre

### KRANNERT SCHOOL OF MANAGEMENT

Business Analytics and Information Management  
Economics  
Finance  
Global Supply Chain Management  
Management  
Marketing  
Organizational Behavior and Human Resource Management

### COLLEGE OF PHARMACY

Industrial and Physical Pharmacy  
Medicinal Chemistry and Molecular Pharmacology  
Pharmacy Practice

### PURDUE POLYTECHNIC INSTITUTE

Aviation Technology and Management  
Computer and Information Technology  
Computer Graphics Technology  
Construction Management Technology  
Engineering Technology  
Technology  
Technology, Leadership, and Innovation

### COLLEGE OF SCIENCE

Biological Sciences  
Chemistry  
Computer Science  
Earth, Atmospheric, and Planetary Sciences  
Mathematics  
Physics  
Statistics

### COLLEGE OF VETERINARY MEDICINE

Basic Medical Sciences  
Comparative Pathobiology  
Veterinary Clinical Sciences

Find more information at [purdue.edu/gradschool/academics/graduate-degree-programs](http://purdue.edu/gradschool/academics/graduate-degree-programs)



Purdue is centrally located in West Lafayette, Indiana - approximately two hours south of Chicago, Illinois and one hour north of Indianapolis, IN.

Questions? Email [gradinfo@purdue.edu](mailto:gradinfo@purdue.edu)

