

Health Sciences

Jefferson College of Health Professions

Presentation Overview

- Program Description
- Health Science Undergraduate Degree
- Plan of Study
- Sample Student Assignment
- Outcomes
- Careers
- Student Profile
- Faculty Profile



Dr. Wendy Krupnick

DEPARTMENT OF HEALTH SCIENCES, DIRECTOR
COLLEGE OF HEALTH PROFESSIONS



Wendy.Krupnick@jefferson.edu



215-951-2530



Jefferson

CREATE WHAT'S NEXT

What is Health Science?

- Applied Science that deals with health
- Encompasses large group of disciplines where knowledge in **SCIENCE** and **HEALTH** is combined to improve health and well-being of individuals, communities and populations
- Employment in health field
- Further study (e.g. Nursing, Medical Imaging, Biotechnology, PA, OT, PT +)

Leads to



Health Sciences at East Falls

Range of degree programs

- 4-year BS
- 3+ Accelerated degrees leading to graduate health programs
- 2+ Pathways ➤ Health Programs
- 4+ Pathway ➤ Graduate Programs

Small class size

Personalized attention

Adjunct faculty are practicing clinicians

Close supportive community



B.S. in Health Sciences

- Develop critical thinking, problem-solving, reasoning, and communication skills sought by employers and professional programs
- Grow through undergraduate co-curricular, athletics and study abroad opportunities
- Explore variety of healthcare professions
- Complete prerequisite coursework for health pathways



US News & World Report ranks **Jefferson** (Philadelphia University + Thomas Jefferson University):

- among the region's **Most Innovative and Best Value** Universities
- among Best National Research Universities



Liberal Arts (Hallmarks)

Writing & Communication
Ethics
American & Global Diversity
Global Citizenship

American Studies
Global Issues
Quantitative Reasoning

Science

Biology
Anatomy & Physiology
Chemistry
Physics
Microbiology
Genetics
Pharmacology
Immunology
Psychology

Health

Intro to Health Care
*Intro to Health Professions
Medical Terminology
Health, Law & Ethics
Concepts Fitness/Wellness
*Clin Research in Emergency
Medicine
*Clinical Interactions
Community Health Issues
Children's Health
Women's Health
Exercise Physiology
Nutrition
Kinesiology
EMT
* *Pre-Professional Patient
Contact Opportunities*

BS in Health Sciences

B.S. Health Sciences (HSCI)

	Credits
3 HSCI Core & 4 HSCI Electives Applied Statistics	21-22
3 Science Core (Bio, Anatomy & Physiology) & 4 Science Electives (Bio, Chem, Physics - typical health profession pre-requisites)	28
3 Psychology Core (Intro, Development, Abnormal) & 2 Psychology Electives	15
Hallmarks	38
*6-7 Free Electives (may include 4-course minor)	21
Minimum Total	120

*Student-Selected Minor

Concentration in area of interest

- *Gender & Health Studies*
- Exercise Science
- *Business of Health*
- Public Health
- Psychology
- Law & Society
- Spanish
and more....

Health Science Courses

Foundation	Intro to Health Prof (1 cr) Medical Terminology (3 cr)	New Applied Statistics (3 cr) <i>Students learn about statistics through the study of health and disease progression in populations. This approach supports their understanding through real-world timely application.</i>
Patient Contact	Intro to Health Care (2 cr) -- 20 hours (40 hours if honors course) Clinical Interactions (3 cr) -- 150 hours	
HSCI Electives	New Health, Law & Ethics (Sp)	Kinesiology (Fa)
	Nutrition (Fa, Sp)	New Women's Health (Sp)
	Fitness & Health (Fa, Sp)	New Children's Health (Fa)
	Clinical Research in Emergency Medicine (Fa, Sp, Su)	New Emergency Med Tech (Sp) <i>(course reserved for PA/Pre-PA)</i>
	Exercise Physiology (Sp)	New Community Health (Fa)

New The Big Interview Assignment

HSC 100. Introduction to Health Professions

Challenge: Students need to be able to describe their goals and interests in the health professions in order to gain access to healthcare systems for contact hours and exposure.

Solution: Engage health science students with Career Services **EARLY** to develop interviewing skills. Create assignment where students learn to **frame** past experiences as a link to future career goals .

“Jefferson health majors are reaching out to potential employers, mentors, and colleagues early and often to obtain contact hours in their freshman, sophomore, and junior years... We focus on helping students to gain the skills necessary to have meaningful conversations with personnel at clinical sites. Professional communication and development is a vital aspect to overall student’ success and we ensure they have an advantage from the start...” (Career Services Staff)

GRADUATION RATE

(% completing bachelor's degree within 6 years-of-entry, 2013 entering class)

88%

GRAD SCHOOL/EMPLOYMENT RATE

(Across University)

97%

RANKINGS

Region's Most Innovative and Best Value Universities (US News & World Report, 2019)

TOP IN THE COUNTRY *US News Best Graduate School Rankings, 2021*

INTERNSHIPS/CLINICAL OPPORTUNITIES

- Scribe at Pain Clinic, Physician's Office
- Intake support at Student Health Center
- Student research experiences in the Jefferson Hospital Emergency Dept

EMPLOYERS OF JEFFERSON GRADUATES

- Regional & National Health Systems
- Rehabilitation & Healthcare Facilities
- Specialty Treatment Clinics
- Research Labs

NEW

Honors Institute:

Community of Scholars who exhibit Academic Excellence & Integrity

Designed for talented, intellectually curious students

Admission & Graduation Profile

- SAT and GPA requirement
- Peer leaders who engage in the University community

Honors Freshman Year Seminar (1)

Honors Ethics (3)

Honors Writing Seminar 2 (3)

Honors Contemporary Global Issues (3)

Honors Hallmarks Capstone Portfolio (3)

Honors Applied Statistics

Honors Nutrition

Honors Disciplinary Experience
(60+ cr status)

Honors Intro to Healthcare
Clinical Research in Emergency Med
Emergency Medical Technician
Global Medical Brigades

- Service Learning
- Directed Research
- Practicum
- Colloquium
- Internships

Honors Clinical Interactions Capstone

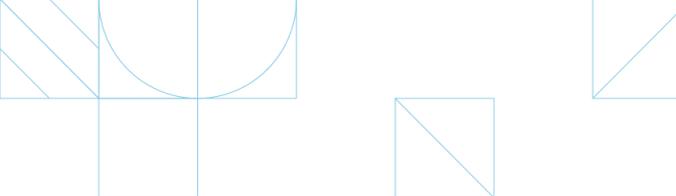


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CREATE WHAT'S NEXT

Hallmarks

Majors



Study Away

Semester Away in Costa Rica

- Designed for Health Sciences
 - Genetics/Lab
 - Public Health Issues
 - Integrative Seminar
 - Medical Spanish
 - Elective

4-Week Immersion in Costa Rica

- End-July to mid-August
- 1 course in Medical Spanish & 1 free elective
- Volunteer at the National Children's Hospital

Short Courses

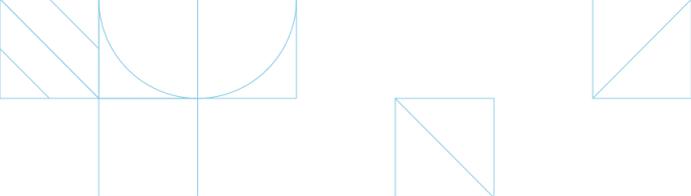
- Fulfill GDIV or GCIT requirements
- During Spring break or in Summer
- Nexus Abroad: Cuba (Summer)

Global Medical Brigades

- Central America: Costa Rica, Honduras, Panama, Nicaragua
- 7-8 days including 3 days working in a medical clinic
- 1-2 days working on community health projects
- Open to freshmen and sophomores
- Occurs in May, OR during Spring break

24 Study Abroad Opportunities

- London, Paris, Australia, New Zealand, Fiji, Cyprus, Ireland, Botswana, Italy, Czech Republic + ...



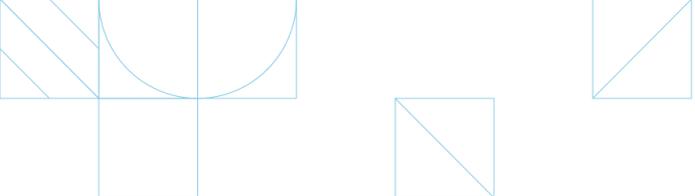
Career Services

Internships for credit (fulfill free electives)

- 3 (144 hrs) or 6 credits (288 hours)
 - Hands-on learning experience that aligns with career goals
 - Apply knowledge gained in classroom and build professional network
 - Opportunities for meaningful work through defined learning objectives, goals and timeline
 - On-site supervision by experienced professional
 - Faculty internship advisor

Handshake website

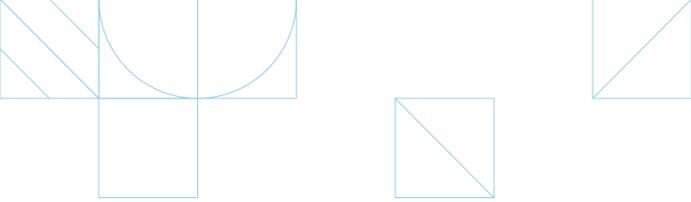
- Job and internship database
 - Online Career Finder Assessment
 - Career Advice
 - RSVP for on-campus events, career fairs, information sessions
 - Create/identify internship opportunities
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BS Health Sciences as 4-Year Pathway to Graduate Health Programs

Guaranteed *interview* in professional program (meet progression criteria)

Pre-professional Phase	Years 1-4	Pre-Physician Assistant BS + MS Disaster Medicine & Management BS + MS (can take 2 grad courses in DMM as senior) Couple & Family Therapy BS + MFT Public Health BS + MPH (can take 5 grad courses in Pub Health as senior)	Foundation Coursework: <ul style="list-style-type: none">• HSCI major courses• Hallmarks courses• Student-Selected Minor• Professional program prerequisites
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Healthcare Occupations Earnings

Occupational Outlook Handbook

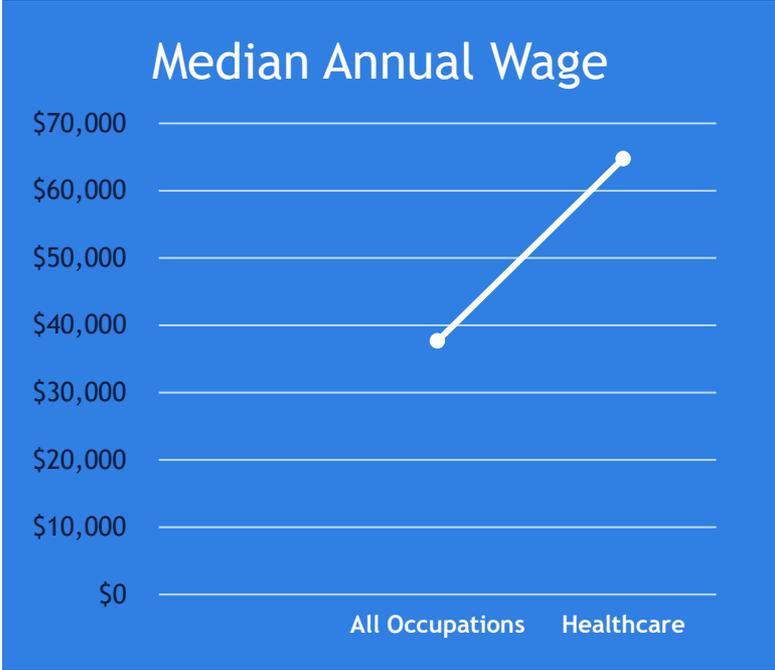
Occupation	Entry-Level Education	2018 Median Pay
Athletic Trainers	Master's	\$47,510
Diagnostic Imaging	Associate's or Bachelor's	\$67,080
Genetic Counselors	Master's	\$80,370
Dietitians & Nutritionists	Bachelor's	\$60,370
Medical & Clinical Lab Technologists	Bachelor's or Master's	\$52,330
Nurses	Bachelor's	\$71,730
Occupational Therapists	Master's	\$84,270
Pharmacists	Doctorate	\$126,120
Physical Therapists	Doctorate	\$87,930
Physician Assistants	Master's	\$108,610

Careers in Healthcare Increasing

“Employment in healthcare occupations projected to grow 18% between 2016-2026, faster than the average for all occupations.”

“Healthcare occupations projected to add more jobs than any other occupational group.”

Healthcare Occupations -- median salary \$66,460 (BLS.2018)



*Nurses, Physicians, Dental Hygienists (Mau, 2017)

Health Career Considerations

- Direct patient care (social, people-focused) vs. computer, lab, data analysis
- Pace of day, 24/7 schedule
- Team work & individual work
- Science-driven
- Behavioral component (motivating, calming, facilitating....)
- Potential to make a difference, form relationships
- Technical standards (bending, lifting, visual acuity.....)



Courtney Bell

RICHBORO, PA
BS CLASS OF 2021

“Being at Jefferson has allowed me to grow into the person that I am today. I completely broke out of my shell and flourished on this campus. I made the best friends I have ever had with some incredible memories. ... I also have found that I look forward to being on campus every day. The faculty, staff, administration, and students alike all share such a communal feeling towards our campus, which makes it a happy place to be. I always knew I wanted to be in healthcare, and I could not think of a better place to pursue my education than Jefferson.”

“My advice to prospective students is not to be afraid of the unknown. So many amazing opportunities lay past that initial barrier of fear we all feel sometimes. If you have an inkling or gut feeling, go with it! Your commitment, passion, and dedication will get you farther than you know.”



Health Sciences Faculty

Faculty clinical expertise encompasses medicine, nursing, nutrition, therapy, exercise science, public health, and emergency medicine.

HSCI 309 Children's Health: Dr. Jay Greenspan and Dr. Meg Frizzola, Pediatricians at Nemours Children's Hospital in Wilmington, DE

HSCI 308 Women's Health: Megan Grugan, MSN, CRNP, Director of TJU East Falls Student Health Center

HSCI 302 Clinical Research in Emergency Medicine: Dr. Anna Marie Chang, Director of TJU Clinical Research at Jefferson Hospital

HSCI 305 Fitness & Health: Dr. Teresa Gero, Physical Therapist, Moss Rehab

HSCI 330 Medical Terminology: Michael Rackover, Physician Assistant



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