

Advising Students in Health Sciences: Career Pathways Beyond Medicine

Presenters: Ivy Chou, Michelle Chow-Liu, Susan Mertz



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Ivy Chou
University of Pittsburgh
y.chou@pitt.edu



Michelle Chow-Liu
Western Academy of Beijing
mchow@wab.edu



Susan Mertz
University of Minnesota - Twin Cities
srmertz@umn.edu



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Agenda

- Different Career Pathways
- Tips for Applying
- Tips for Advising Students and Families
- Having Difficult Conversations



Begin again.

GREY'S ANATOMY

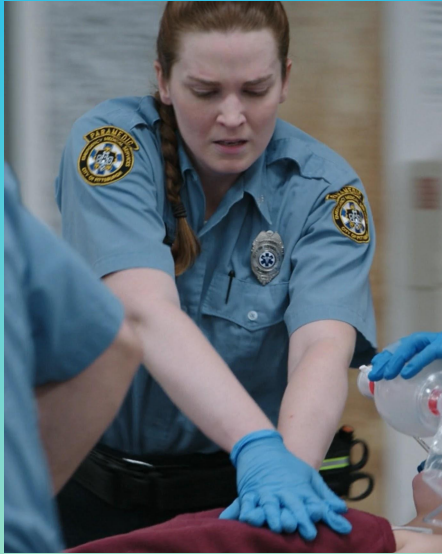


A promotional image for the TV show 'The Pitt'. The scene is set in an operating room. In the foreground, a woman with her hair in a ponytail, wearing a dark blue scrub top, looks towards the right. In the background, a man with a beard and a blue hoodie is leaning over a patient, looking upwards with a concerned expression. He has a stethoscope around his neck and is wearing blue gloves. Other medical staff are visible in the background, including a man in blue scrubs and a woman. The lighting is bright, typical of a hospital operating room.

max ORIGINAL

THE

PITT



Emergency Medical Technician



Nurse & Nurse Practitioner



Social Worker



Hospital Administrator



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Nursing

Direct entry vs. Non-direct entry programs

Requirements:

- Placements/Rotations (national avg: 800 hours)
- NCLEX-RN

Advanced Nursing Professions

- Nursing Practitioner (NP)
- Certified Registered Nurse Anesthetist (CRNA)
- Nurse Administrator
- Certified Nurse Midwife (CNM)
- Nursing Informatics



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Pharmacy

Regular vs. Accelerated program

Requirements:

- Pre-pharmacy courseworks
- PCAT*
- Clinical rotations (1500-2000 hours)
- NAPLEX and MPJE

Advanced Pharmacy Training

- Drug Development and Regulation
- Nuclear Oncology
- Pharmacoeconomics



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Public Health

What is public health?

- Focus on preventative health
- Issues addressed at population-level
- Driven by research and data

Degree options

- Bachelor's degree in a related field (public health, biology, statistics, social work, etc.) or master's degree, depending on desired career

Research analyst	Epidemiologist
Health program coordinator	Emergency management specialist
Biostatistician	Health educator
Hospital administrator	Behavioral scientist



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Non-Physician Health Care Providers

- Emergency Medical Technician
- Physical Therapist
- Occupational Therapist
- Audiologist
- Speech-language Pathologist
- Respiratory Therapist
- Mortuary Scientist



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Diagnostic and Imaging Specialists

- Medical Laboratory Scientist
 - Pathologist Assistant
- Radiographer
 - Sonographer
- “Technician”
- Respiratory therapist



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Nutrition and Exercise Science Specialists

- Nutritionist
- Dietician
- Athletic Trainer
- Exercise Physiologist



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Counselors

- Mental Health Counselor
- Clinical Psychologist
 - PhD vs PsyD
- Social Worker
- Behavioral Disorder Counselor
- Genetic Counselor



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Health Care Administrators

- Healthcare Interpreter
- Healthcare Information Manager
- Assisted Living Residence Directors
- Hospital Administrator
- Healthcare Consultants



Honorable Mentions

- Biomedical Engineer
- Biostatistician
- Environmental Scientist
- Veterinarian



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Tips for Applying to Health Science Programs

Know *where* to apply

- Make sure the institution is accredited
- Check for programs that accept international students

Know *when* to apply

- Start preparing your application in advance, and be aware of deadlines

Know *how* to apply

- Application requirements may include evaluation/recommendation letters, interviews, standardized tests, prerequisite coursework, etc.

Know *who* to contact if you have questions

- Every school/program will have an admissions office with counselors who are there to help you!



Tips for Advising for Health Science Programs

Know who you are

- Personality and Interest Inventories
- Discovery of self (both personality & aptitude base)

Know the different types of programs

- Course Selection Process
- Career Fair - exposure to different careers
- World of Work, Internship or Volunteering Programs

Know the investment & resources

- What are the financial burden?
- Country specific requirements
- After graduation plans and work permit?



Navigating Difficult Conversations

- What are the most common issues with this conversation?
 - Who wants to be the doctor in the family? Parents? Students?
 - What are the pressures?
 - Student dislike sciences but wants to go into the medicine field?
 - Student's grade is not strong (enough) for the competitive program



In Summary

- Health sciences include much more than just medicine
- Consider time, value, and career opportunities when selecting programs
- It's never too early for high school students to start exploring interests and preparing for the admissions process



Questions?

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