## ABOUT THE MAJOR

Nuclear Medicine specialists use safe, painless, and cost-effective techniques to image the body and treat disease. Nuclear Medicine is unique and broad, including nuclear medicine imaging, PET/CT, and molecular procedures. Providing information to physicians about both structure and function of the human body, nuclear medicine is a way to gather medical information that would otherwise be unavailable, require surgery, or necessitate more expensive diagnostic tests. Nuclear medicine combines computer technology, advanced medical instrumentation, chemistry, physics, and radioactivity to diagnose and treat disease. A Health & Kinesiology degree with the Nuclear Medicine Technology emphasis will provide you with the skills and knowledge required of a Nuclear Medicine Technologist to successfully complete the national exam in nuclear medicine technology that is required for certificate and state licensure.

## LEARNING OUTCOMES

- Gain relevant skills in computer processing and image enhancement.
- Prepare and administer radioactive chemical compounds, known as radiopharmaceuticals.
- Perform patient imaging procedures using sophisticated radiation-detecting instrumentation.
- Provide images, data analysis, and patient information to the physician for diagnostic interpretation.
- Learn to effectively interact with patients.

## PLAN & PREPARE

At the U, we plan for our students to have an Exceptional Educational Experience identified by four broad categories we call the Learning Framework: Community, Knowledge & Skills, Transformation, and Impact. This major map will help you envision, explore, design, and plan your personalized Exceptional Educational Experience with the Learning Framework at the core. In addition to assisting you in planning your coursework and navigating the requirements of your major, it will help you incorporate other kinds of experiences that will expand your knowledge, support your development, and prepare you for the future you want.

### Get started today

Schedule an appointment with an advisor: **advising.utah.edu**

Visit **ugs.utah.edu**

Learn more about the Learning Framework: **ugs.utah.edu/learning-framework**

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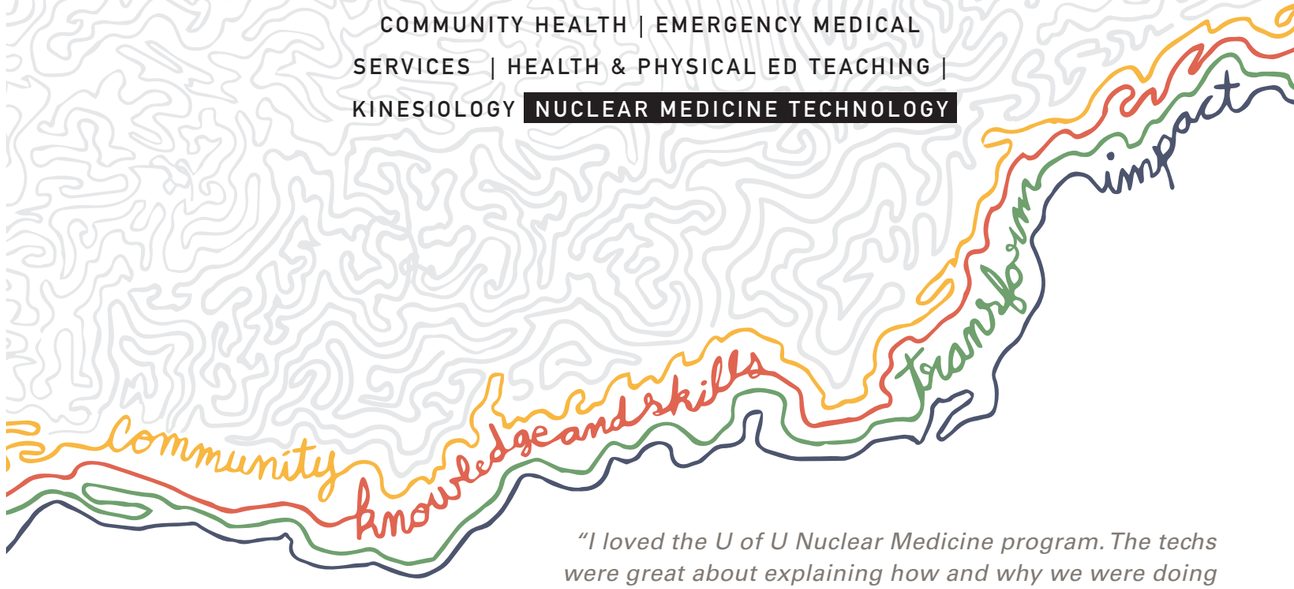
# HEALTH & KINESIOLOGY

COLLEGE OF HEALTH

## 2019-2020 MAJOR MAP

COMMUNITY HEALTH | EMERGENCY MEDICAL SERVICES | HEALTH & PHYSICAL ED TEACHING | KINESIOLOGY **NUCLEAR MEDICINE TECHNOLOGY**




*"I loved the U of U Nuclear Medicine program. The techs were great about explaining how and why we were doing the tests for the patients. The instructors were great about teaching me the material that I needed to know to succeed in the clinic and in my future career! I highly recommend this program to all that are interested."*

>> Tremaine Burton
NMT/CT Tech, University of Utah Health

THE UNIVERSITY OF UTAH EXCEPTIONAL EDUCATIONAL EXPERIENCE
*The Office of Undergraduate Studies*

# NUCLEAR MEDICINE TECHNOLOGY

*Use this map to explore, envision, design, and plan your Exceptional Educational Experience.*

| | GETTING STARTED | MAKING PROGRESS | | FINISHING UP |
|---|---|---|---|---|
| **COURSES** | - Complete H EDU 1010 – Health Lifestyles, WRTG 2010 – Intermediate Writing, MATH 1050 – College Algebra, COMM 1270 – Analysis of Argument, & a Stats class<br>- Meet with an advisor to plan courses & get info about the NMT track<br>- Discuss program specifics with the NMT program director | - Schedule department observation with the NMT program director<br>- Prepare application materials to apply for the Nuclear Medicine Technology Emphasis; due April 1st every year<br>- Take a Chemistry class along with Gen Ed & elective courses | Continue taking prerequisite courses needed for your emphasis like:<br>- H EDU 1950 – Emergency First Aid<br>- H EDU 3030 – Medical Terminology<br>- BIOL 2325 – Human Anatomy<br>- BIOL 2420 – Human Physiology | - Complete core classes following the recommended sequence<br>- Finish an internship<br>- Prepare for & schedule certification exams<br>- Apply for graduation |
| **COMMUNITY** | Connect with a range of diverse health-related communities:<br>- Volunteer for programs like U-Fit<br>- Intern alongside community partners<br>- Participate in research programs like UROP[1]<br>- Join student-led organizations<br>- Volunteer at the U of U Hospital | - Go to your student Activity Fair & consider joining a club that interests you<br>- Get to know the students in your classes & start building community on campus | - Attend a Learning Abroad 101 session to learn about programs, processes, & planning | Apply your knowledge by taking on more influential roles:<br>- Coordinate a group service project<br>- Volunteer your time with the Bennion Center |
| **KNOWLEDGE AND SKILLS** | - Learn to use online tools like CIS[2], & My Degree Audit<br>- Attend major exploration events<br>- Visit with your advisor to create an academic plan<br>- Connect with support resources like the Writing Center & Math Lab | - Organize a study group<br>- Attend office hours<br>- Touch base with your advisor to stay on track<br>- Explore & register for electives that support your learning goals | - Develop your knowledge through an independent study<br>- Seek out applied experience through job shadowing, community service, leadership, & direct patient & client exposure with organizations like Connect2Health & Primary Children's Medical Center | - Practice what you learned & share your knowledge in a real world setting such as an internship or a collaboration with a Kinesiology community partner |
| **TRANSFORMATION** | - Meet with an advisor to begin exploring where you want to go after you graduate & learn how to customize your undergraduate experience to meet your goals | - Try some of the co-curricular activities offered through College of Health like a CEL[3] course or a supervised internship<br>- Connect with student support services on campus like the Student Success Advocates | - Try extracurricular activities outside the major through the Bennion Center, ASUU[4], the Natural History Museum, or the Huntsman Cancer Institute | - Complete the capstone course & put theory into practice by working with under-served populations in the community<br>- If you've done research, consider presenting at the Undergraduate Research Symposium |
| **IMPACT** | - Participate in the "Be Well Utah Fair"<br>- Find health-related student groups like SPEAK[5] & Students for Choice<br>- Attend a MUSE[6] Casual Friday<br>- Connect with a peer mentor through the U of U mentoring program | - Take more responsibility in extracurricular activities - apply for leadership positions in clubs<br>- Look into summer jobs in health professions by talking to your Career Coach | - Volunteer in organizations on campus & in the community like U-Fit, Utah Reads, Science in the Parks, Connect2Health, or Friends for Sight<br>- Get valuable experience with an internship through the Hinckley Institute, PEAK[7] Fitness, or Skaggs | - Visit with your Career Coach or a Pre-Professional Advisor to discover opportunities to gain additional skills & experience through volunteering, job shadowing, clubs, or internships |
| **CAREER** | - Take Focus2 or the StrengthsFinder assessments through the Career & Professional Development Center to get to know yourself better<br>- Use O*Net & Who Hires U of U Grads to research career options<br>- Meet with a Career Coach for guidance | - Explore by completing informational interviews, shadowing, volunteering, or working in areas of interest<br>- Use career events (Career Fairs/Meet & Eats) & resources (Handshake/ AlumniFire) to get connected | - Develop back-up plans for your primary career goal<br>- Get your resume/LinkedIn reviewed & build references & contacts for the job search<br>- Attend the Career Conference to get all of these at once | - Meet with a Career Coach to refine your job or graduate school application materials<br>- Practice interviewing<br>- Practice salary negotiation |

## WHERE CAN I GO AFTER GRADUATION?

- Cancer Centers/ Hospitals
- Cardiology Clinics
- Community Hospitals
- Hospitals
- Industry Sales
- Research/Academic Institutions
- Service Engineering

*[1] Undergraduate Research Opportunity Program [2] Campus Information Services [3] Community Engaged Learning [4] Associated Students of the U of U [5] Students Promoting Eating disorder Awareness & Knowledge [6] My U Signature Experience [7] Performance Enhancement through Applied Knowledge*