



Lake Nona High School

Academy of Health Science

What about your future?



As you enter 9th grade, have you started thinking about your future beyond high school?

Does your future include thinking about college and a career in healthcare?



OOH: 12 of 20 top growing jobs are in healthcare

OCCUPATIONAL OUTLOOK HANDBOOK

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Fastest Growing Occupations

PRINTER-FRIENDLY

Fastest growing occupations: 20 occupations with the highest percent change of employment between 2018-28.

Click on an occupation name to see the full occupational profile.

OCCUPATION	GROWTH RATE, 2018-28	2018 MEDIAN PAY
Solar photovoltaic installers	63%	\$42,680 per year
Wind turbine service technicians	57%	\$54,370 per year
Home health aides	37%	\$24,200 per year
Personal care aides	36%	\$24,020 per year
Occupational therapy assistants	33%	\$60,220 per year
Information security analysts	32%	\$98,350 per year
Physician assistants	31%	\$108,610 per year
Statisticians	31%	\$87,780 per year
Nurse practitioners	28%	\$107,030 per year
Speech-language pathologists	27%	\$77,510 per year
Physical therapist assistants	27%	\$58,040 per year
Genetic counselors	27%	\$80,370 per year
Mathematicians	26%	\$101,900 per year
Operations research analysts	26%	\$83,390 per year
Software developers, applications	26%	\$103,620 per year
Forest fire inspectors and prevention specialists	24%	\$39,600 per year
Health specialties teachers, postsecondary	23%	\$97,370 per year
Phlebotomists	23%	\$34,480 per year
Physical therapist aides	23%	\$26,240 per year
Medical assistants	23%	\$33,610 per year



What Kinds of Careers Are We Talking About?

Doctors and Nurses come to mind immediately.





Have you also considered?

Medical Researcher

Biotechnology

Health Care Administration





Have you also considered?

Medical Assistant, Patient Care Technician, Electrocardiograph Technician, Electronic Health Records Specialist, Pharmacy Technician, Emergency Medical Responder, Paramedic





What is the Academy of Health Science?

The Academy of Health Science at Lake Nona High School is a sequence of courses which focuses on health-related career fields.

Highly motivated students who are accepted into the program have several career pathways to choose from.



Certification Pathway

The Certification Pathway will provide students the opportunity to prepare for a National Certification Exam in one or two areas.

The final AoHS course, EKG Technician, is taken during the student's senior year. EKG Tech combines classwork and practice skills labs with onsite clinical experiences.

These students stay on LNHS campus.



University Preparatory Pathway

The Univ-Prep Pathway is for students who are interested in medical school and want to be accepted into a university directly after high school graduation. Students will be enrolled in Honors, Advanced Placement and Dual Enrollment courses throughout high school and will concentrate in upper academic electives during their junior and senior years.



Orange Technical College Pathway

Our OTC Pathway is another opportunity for students to earn national certifications in allied health careers. This career pathway allows students to attend one of the OCPS Tech Colleges and earn an industry certification as a Medical Assistant, Patient Care Technician, Pharmacy Technician or Emergency Medical Technician by the time they finish high school.

These students attend an OTC campus for ½ day.



What classes do I take?

Medical Skills and Services is divided into two semesters of study, each with a separate area of study: Sem 1 is focused on Career Exploration; Sem 2 is focused on studying Global Health.

This is an open elective available to students in grades 9-11.



What classes do I take?

Health Science A&P is **Anatomy and Physiology**;
Medical terminology and memorizing!

Health Science Foundations is **Introduction to Healthcare**; topics - careers, legal/ethics, infection control, communication, successful workplace behaviors.

These two courses are the core of the AoHS.



What is EKG Technician?

- This senior level course will prepare students for a career as a certified EKG Technician, an entry-level position in many hospitals and clinics.
- Students combine classwork, skills and clinical observations.



Available course options:

These options may overlap – one area of interest will not exclude students from pursuing courses in other areas. Most students combine their interests and enroll in two pathways

Clinical:

Medical Skills & Services, 8400320
Health Sci Anatomy & Physio, 8417100

Health Sci Foundations, 8417110

EKG Technician, 8427130

Sports Medicine:

Medical Skills & Services, 8400320
Health Sci Anatomy & Physio, 8417100

Care & Prevention of Athletic Injuries, 1502490 -1 semester
First Aid, 0800320 -1 semester (*These athletic courses are not an official part of the AoHS, but many AoHS students take them as electives.*)

University Preparatory:

Medical Skills & Services, 8400320
Health Sci Anatomy & Physio, 8417100

AP Biology, 2000340

Orange Technical College:

Medical Skills & Services, 8400320
Health Sci Anatomy & Physio, 8417100
Pharmacy Tech, Patient Care Assisting, Medical Assisting,
EMT



Next Steps

- ✓ 9th grader? Enroll in Medical Skills and Services.
- ✓ 10th grader? Enroll in HS A&P
- ✓ Applications are submitted *AFTER* completing HS A&P.