Oregon TECH
Oregon Institute of Technology

HEALTHCARE

# Konica Minolta Healthcare and Oregon Institute of Technology are partnering to educate the future leaders of imaging departments.


*The Oregon Institute of Technology campus in Klamath Falls, OR.*

***When Cheyenne Low was considering schools to prepare her for a career as a radiologic technologist, she chose Oregon Tech for its small class sizes, one-on-one attention from professors, and the opportunity for hands-on experience with advanced imaging technology.***

"I love that it's so hands-on. I actually get to do and see what I am learning about. We get to take X-rays, position each other, transport each other and perform needle sticks," said Low.

*David Widmann, Konica Minolta Healthcare President & CEO, (sixth from left) and Nagi G. Naganathan, PhD, ASME Fellow and President of Oregon Tech (seventh from left) celebrate the opening of a newly renovated on-campus laboratory.*

Morgan Reid Cole chose Oregon Tech for the opportunity to experience a variety of imaging technologies, especially the advanced digital technologies that define modern radiology.

"I love to see advancement of the trade and how digital machines can improve healthcare even more," said Reid Cole. "There are many options I have with the degree. Within the scope of radiology, I can be certified in MRI, CT, mammography, cardiac catheterization and/or PACS. I have chosen to rotate through CT and mammography. Once I complete my externship, I will be certified in both modalities."

That's why Oregon Tech is partnering with Konica Minolta Healthcare Americas, Inc. to educate the next generation of radiologic technologist and radiology department leaders with leading imaging technology. Konica Minolta Healthcare, a leader in medical imaging systems, healthcare IT, service and precision medicine solutions, is providing Oregon Tech with the latest imaging equipment for students in the Radiologic Science program.

"We want to give our students the latest advanced imaging technology so they're trained and fully prepared for their externships and future careers. Our partnership with Konica Minolta will give our students hands-on, real-world experience on a wide variety of imaging technology that's featured in many of the hospitals and medical facilities where they'll eventually work," said Nagi G. Naganathan, PhD, ASME Fellow and President of Oregon Tech. "Thank you to Brian Fox, our Vice President of Finance, and all the people from Konica Minolta and Oregon Tech who made this important partnership possible for all of our Radiologic Science students."

## Educating students with leading technologies

Konica Minolta Healthcare is a world-class provider and market leader in medical diagnostic imaging and healthcare information technology. With over 75 years of endless innovation, Konica Minolta is globally recognized as a leader providing cutting-edge technologies and comprehensive support aimed at providing real solutions to meet customer's needs and helping make better decisions sooner.

One reason Oregon Tech chose Konica Minolta is because many of the company's solutions are already installed in hospitals, imaging centers and academic facilities throughout the West Coast and across the country. The agreement includes five years of Total Cost of Ownership service.

KONICA MINOLTA

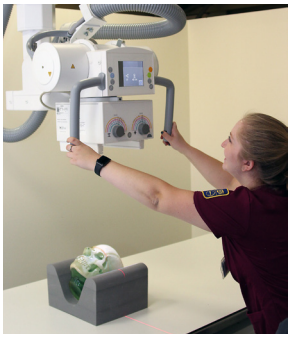
"Konica Minolta is excited to partner with Oregon Tech to bring the latest advanced imaging technology to the future leaders of radiology departments," says David Widmann, President and CEO of Konica Minolta Healthcare. "We have a shared vision that industry and academics can work together to create an environment that will maximize the educational experience and enable technologists to deliver high-quality care for their patients."

Oregon Tech installed Konica Minolta equipment in several newly renovated on-campus laboratories in the summer of 2019, and students started using the new equipment in September. "The new lab is an incredible leap for Radiologic Science in so many ways, and something we are very grateful for," said Tyler Marsters, a junior in the Radiologic Science program. "The equipment is absolutely amazing in both capability and versatility, and will definitely be put to great use in helping us to become leaders in radiographic technology."

Konica Minolta and Oregon Tech celebrated the partnership with a ribbon cutting ceremony at our main campus in Klamath Falls on October 10, 2019.

## Preparing students for a vibrant career

This partnership will help address the growing popularity of careers in medical imaging, which is expected to see faster than average growth over the next decade, according to the Bureau of Labor Statistics. It's predicted that employment of radiologic technologists will grow 9% through 2028, faster than the average for all occupations. Aging populations will also drive an increase in medical conditions, from orthopedic injuries to diseases such as cancer and Alzheimer's, that will require imaging to help clinicians make confident diagnoses – fueling a strong need for radiologic technologists.



*Holly Phelps, a Radiologic Sciences student, adjusts the overhead tube on the Konica Minolta OTC System.*

As the only educational institution in Oregon that offers a four-year Bachelor of Science degree in Radiologic Science, Oregon Tech is uniquely positioned to offer these educational opportunities for a growing job market.

In addition to training students in digital radiography, our program includes two years of didactic education. Students can take courses in advanced imaging modalities such as CT, MRI, mammography, and interventional radiography, plus an 11-month externship in healthcare facilities where students work and learn full-time to become expert technologists. Our students also get extensive training in communication skills and business practices that prepares them to lead a radiology department.

## A state-of-the art Radiologic Science lab

The partnership includes seven Overhead Tube Crane (OTC) ceiling-mounted X-ray systems for efficient digital radiography exams that help clinicians deliver fast, accurate diagnoses. Highly automated and driven by customizable software, the system features a ceiling-mounted X-ray tube that moves about the room to treat patients while lying down, sitting or standing, including those in a wheelchair or gurney. The OTC system applies a combination of advanced auto-positioning and auto-tracking capabilities to speed and simplify each patient exam. It also features a four-way floating table and tilting wall stand.

Also installed is a KDR™ Advanced U-Arm X-ray System, a compact system for all settings that features an array of advanced design innovations to help optimize workflow, increase staff efficiency and improve outcomes, expediting the diagnostic process and elevating the patient experience. KDR Advanced U-Arm can move from PA to lateral positions without moving the patient and Independent source-to-image-receptor distance control on the tube and the detector to support all other imaging views commonly required in radiology, including wheelchair and table work. The system swivels into position across a 135˚ range of motion and 35" of vertical movement and offers an automatic stitching solution.

Students will gain experience using a Straight Arm X-ray system that provides advanced digital X-ray capabilities in a small footprint for the imaging flexibility, image resolution and immediate results to make informed decisions faster. A full range of motion enables all imaging views required, while accommodating patients who are standing, sitting, lying on a table or confined to a wheelchair. The swivel arm rotates 135˚ clockwise and counterclockwise and moves 39" vertically to easily arrive at the ideal exposure position. The detector also tilts 45˚ in two directions.

Rounding out the equipment is a MobileDaRt Evolution MX8 version portable DR imaging system with a collapsible column from Shimadzu Medical Systems, which integrates Konica Minolta's AeroDR flat panel detectors for extremely high-definition radiographic imaging without increased dose. These lightweight, durable and highly water-resistant panels can be used bedside, in the ER or as part of a tabletop or cross-table exam, equipping you with more visual information to make better decisions, sooner.

*David Widmann and Dr. Nagi Naganathan tour the new Radiologic Sciences lab at Oregon Tech with students Rachel Wright (left) and Lana Friedrich (right).*



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**Konica Minolta Healthcare Americas, Inc.**
411 Newark Pompton Turnpike
Wayne, New Jersey 07470
Tel: (973) 633-1500 Fax: (973) 523-7408
**konicaminolta.com/medicalusa**

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