

# DUKE KUNSHAN UNIVERSITY

## Master of Science in Medical Physics

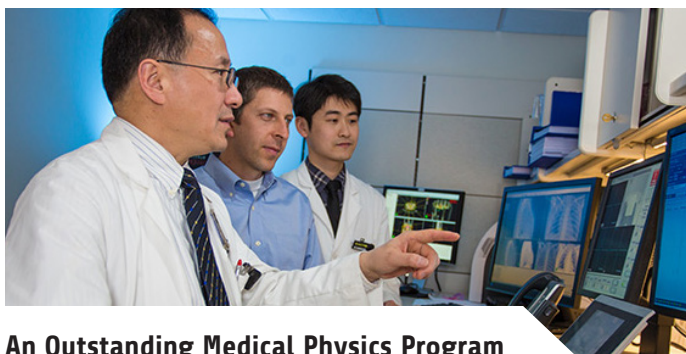
A TWO-YEAR MASTER'S DEGREE PROGRAM THAT PREPARES STUDENTS FOR CLINICAL PRACTICE, RESEARCH, AND CAREERS WITH EXPANSIVE OPPORTUNITY

## MEDICAL PHYSICS

*Medical Physics is an applied branch of physics concerned with the diagnosis and treatment of disease. The medical disciplines of radiology, radiation oncology, and nuclear medicine are all deeply rooted in physics.*

Medical physicists' critical contributions to clinical care include:

- Quality assurance, safety, and regulatory compliance for imaging and therapeutic devices
- Development of plans and procedures for radiation safety, imaging, and radiation therapy



### An Outstanding Medical Physics Program

The Duke Kunshan University Master of Science in Medical Physics program is modeled after, and leads to the same Duke University degree as, the Duke University Medical Physics program. Established in 2004, the Duke University Medical Physics program is one of the largest and most highly regarded medical physics programs in the United States.



### Duke Kunshan University

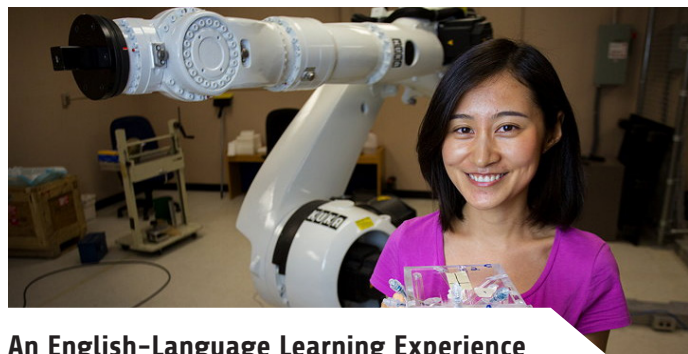
Duke Kunshan University (DKU) is a Sino-American partnership between Duke University and Wuhan University to create a world-class research university in the city of Kunshan, China. DKU enrolls outstanding students from around the world who contribute diverse perspectives and experiences to a global learning environment.



### Now Accepting Applications for Fall 2014

The DKU Medical Physics program is now accepting applications for the class entering in fall 2014. This two-year degree program includes the option to spend seven months conducting research and completing course work at Duke University in Durham, North Carolina, USA.

All classes will be taught in English by faculty of Duke University, Duke Kunshan University, and other elite universities.



### Career Opportunities

Medical physics offers promising career opportunities in clinical practice, academics, and industry. Career opportunities for medical physicists are expanding as China and other countries continue to invest in new medical technologies and facilities.

Medical physics is an excellent career choice for those who wish to continue their interest in physics while also contributing to improved medical care in a diverse, multi-disciplinary work environment involving many areas of science and clinical practice.

### An English-Language Learning Experience

The DKU Medical Physics program offers students the opportunity to prepare themselves for globally minded careers. Because the program is taught in English, students who are fluent in, or native speakers of, another language will be uniquely qualified to work in multinational organizations and participate in international collaborations. For students whose first language is English, the program provides an opportunity to study in their native language while experiencing the cultural, historical and economic vibrancy of China.

### Admissions Requirements

- A bachelor's degree in physics, natural sciences, mathematics, engineering or another closely related field
- Fluency in English

Additional information regarding admissions and coursework requirements is available at [www.dku.edu.cn](http://www.dku.edu.cn)

### Application Deadline:

January 31, 2014

*Applications received after this date will be considered if space is available.*



### Select Program Faculty Members

**Fang-Fang Yin, Ph.D.**, is Director of the DKU Medical Physics program. He has served as Chief of the Division of Radiation Physics and Professor of Radiation Oncology at Duke University since 2004. The author of more than 200 refereed publications and book chapters, Yin's research interests include image-guided radiation therapy, informatics in cancer treatment, advanced planning and delivery techniques, and quality assurance. Yin is a Fellow and Member-at Large of the Board of Directors of the American Association of Physicists in Medicine (AAPM). He earned his Ph.D. in Medical Physics from the University of Chicago.



**James Bowsher, Ph.D.**, is Assistant Professor of Radiation Oncology at Duke University Medical Center. Bowsher's research interests include functional and molecular imaging in radiation therapy; imaging onboard radiation therapy machines; robotics and imaging; region-of-interest methods for high-resolution, high-sensitivity imaging; methods for integrating multiple imaging modalities and realistic system modeling into the generation of medical images; and quality assurance methods for imaging and for other radiation therapy systems. He earned his Ph.D. in Nuclear Physics from the University of North Carolina at Chapel Hill.

All photos on this page feature Duke University Medical Physics students and faculty members

### Contact Us

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