DEGREES OFFERED IN THE DEPT. OF PHYSICS

- Master of Science, Physics (thesis)
- Master of Arts, Physics (non-thesis; graduation by exam)
- Master of Science, Medical Physics, accredited by Commission on Accreditation on Medical Physics (CAMPEP)
- Joint Ph.D in Computational Science through the Computational Science Research Center (for more information contact Dr. Weber above or the director of the CSRC, Dr. Jose Castillo, jcastillo@mail.sdsu.edu)

PROGRAM HIGHLIGHTS

- MS Physics students are successful in industry, national labs, and Ph.D programs.
- MS Medical Physics students are successful in residency programs, Ph.D programs, and the medical devices/technology industry.
- PhD Computational Science students are successful in national labs and academia.
- Favorable student-to-faculty ratio with graduate physics courses averaging about 10 students. Full-time faculty teach all graduate lectures and laboratory courses.
- Close student-faculty contact
- Financial support is available for most of our qualified Master's students as Teaching Assistants (TAs) or Research Assistants (RAs).
- Master's students co-author journal publications, present at national/international conferences; many have won awards at national labs, SDSU and CSU research symposia, AIP travel awards.
Physics and Computational Science students intern with local industry and national labs (Los Alamos, Lawrence Livermore, Lawrence Berkeley, Oak Ridge).

Strong industry affiliations: e.g., Cymer (San Diego-based optics technology leader) gifted $300,000 to Physics and recruits students from our program each year.

More than 50% of our graduates go on to nationally recognized PhD programs.

MS program in Medical Physics is one of only two CAMPEP accredited graduate programs in California.

A hub-spoke residency training in Medical Physics provides a pathway for students graduating from the MS in Medical Physics program.

STUDENT RESEARCH PROJECTS
All graduates in MS (Physics) and those choosing the Thesis option in the MS (Medical Physics) programs undertake a research project culminating in a thesis. Each project is undertaken under the supervision of our faculty in the following research fields:

- **Experimental Optics**: Electro-optics, ultrafast lasers and quantum optics, non-linear optics, nanophotonics

- **Theoretical and Computational**: Polymers & biophysics, nuclear & particle, nuclear/relativistic astrophysics/ general relativity, optical.

- **Experimental Condensed Matter**: Superconductivity, magnetism, and material synthesis.

- **Medical and Radiological Physics**: Functional and structural magnetic resonance imaging and image processing, radiation biology, radiation therapy, CT dose, detectors and nuclear instrumentation.

GENERAL REQUIREMENTS
Masters Students must complete core courses as well as electives requirements and all-university graduation requirements. Details can be found in the San Diego State University Graduate Bulletin available online.

IMPORTANT DEADLINES FOR GRADUATE APPLICATIONS
The deadlines for the applications to the Masters programs in Physics, Medical Physics and the Joint PhD program are available at: http://arweb.sdsu.edu/es/admissions/grad/