

South Dakota State University

Graduate Studies in Physics

Graduate Program

The Physics Department at South Dakota State University offers a program leading to the Master of Science in Physics. Required course work in physics along with elective courses selected from the Mathematics and Statistics, Computer Science, General Engineering, Electrical Engineering, Mechanical Engineering and other departments support a number of career options in industry, education and applied research. Graduates with this degree may also pursue a PhD degree in physics and its allied disciplines or an engineering discipline. Areas of research concentration include astrophysics, gravitational physics, remote sensing, image processing, condensed matter, materials science, nuclear physics, and theoretical physics. Available degree options include a thesis option, a design paper option, and a coursework option. Generally two to two and one-half years is necessary for degree completion. Detailed information on degree options, requirements, costs, admissions procedures, etc. is available in the SDSU Graduate Bulletin, available through the SDSU Graduate School.

The University

South Dakota State University (SDSU), is located in Brookings, South Dakota, which is along U.S. Interstate 29, approximately 50 miles north of Sioux Falls, SDSU is a comprehensive land grant institution with an enrollment of approximately 12,000 students. The Physics Department is located in Crothers Engineering Hall, and includes 8 full-time faculty members instructing about 35 undergraduate majors and 5 graduate students. Approximately 600 students are enrolled in physics classes in any one semester.

Financial Support

Teaching assistantships are available to graduate students. Stipends currently range from \$6100 to \$6400 for nine months. These stipends also include a substantial tuition reduction resulting in a tuition and fee cost of approximately \$150.00 per credit.

Applications

Potential students are encouraged to apply by January for the following fall semester. Applications are considered at any time, but early application optimizes the possibility of receiving an assistantship. International students should complete their application by April 1, and must include official results of the TOEFL examination (a minimum score of 550 for admission, and 580 for an assistantship) for those whose native language is not English.

Correspondence and Information

For further information, please contact Dr. Joel Rauber, Department of Physics, South Dakota State University, Brookings, SD 57007. Phone: (605)688-5428. Fax: (605)688-5878 or e-mail, Joel.Rauber@sdstate.edu. For admission information to the SDSU Graduate College, please contact The Graduate School, South Dakota State University, Admin Bldg. 130, Box 2201, Brookings, SD 57007. Additional information about the department or admission may be found by consulting the following websites:

www.engineering.sdstate.edu/~physics/physics.htm

<http://www3.sdstate.edu/Academics/GraduateSchool/> .