SOUTHERN CONNECTICUT STATE UNIVERSITY
DEPARTMENT OF PHYSICS
New Haven, Connecticut 06515
http://www.southernct.edu/academics/schools/arts/departments/physics/

General University Information
President: Dr. Joe Bertolino
Dean of Graduate School: Dr. Christine Broadbridge
University website: http://www.southernct.edu
School Type: Public
Setting: Urban
Total Faculty: 683
Total Graduate Faculty: 320
Total number of Students: 10,320
Total number of Graduate Students: 2,357

Department Information
Department Chairman: Dr. Matthew J. Enjalran, Chair
Department Contact: Evan Finch, Graduate Program Coordinator
Total full-time faculty: 9
Total number of full-time equivalent positions: 9
Female Full-Time Graduate Students: 6
First-Year Graduate Students: 3
Total Post Doctorates: 1

Department Address
501 Crescent Street
New Haven, CT 06515
Phone: (203) 926-4666
E-mail: physics@southernct.edu
Website: http://www.southernct.edu/academics/schools/arts/departments/physics/

ADMISSIONS

Admission Contact Information
Address admission inquiries to: Dr. Evan Finch, Graduate Program Coordinator, Department of Physics, 501 Crescent Street, New Haven, CT 06515
Phone: (203) 926-4666
E-mail: FinchL3@southernct.edu
Admissions website: https://www.southernct.edu/academics/graduate/graduate-admissions/

Application deadlines
Fall admission:
U.S. students: July 1
Int'l. students: April 1
Spring admission:
U.S. students: November 1
Int'l. students: October 1

Application fee
U.S. students: $50
Int'l. students: $50

Admissions information
For Fall of 2017:
Number of applicants: 6
Number admitted: 2
Number enrolled: 2

Admission requirements
Bachelor’s degree requirements: A Bachelor’s degree in Science, Engineering, or a related field is required.
Minimum undergraduate GPA: 3.0

GRE requirements
The GRE is not required.

Subjective GRE requirements
The Subjective GRE is not required.

TOEFL requirements
The TOEFL exam is required for students from non-English-speaking countries.
PBT score: 550
iBT score: 79

Other admissions information
Additional requirements: Undergraduate transcripts, two letters of recommendation, and a one-page personal statement are required to complete the admission package.
Undergraduate preparation assumed: An undergraduate preparation that includes at least six physics courses is assumed (the same as for a minor in physics at the undergraduate level at SCSU).

TUITION

Tuition year 2018–19:
Tuition for in-state residents
Full-time students: $6,072 per semester
Part-time students: $764 per credit
Tuition for out-of-state residents
Full-time students: $12,244 per semester
Part-time students: $764 per credit
The figures above include university fees for full-time students. For part-time students, per-credit costs decreases slightly as number of credits increases.
Credit hours per semester to be considered full-time: 9
Deferred tuition plan: No
Health insurance: Available at the cost of $2,953 per year.
Academic term: Semester
Number of first-year students who received partial tuition waivers: 1

Teaching Assistants, Research Assistants, and Fellowships

Number of first-year
Research Assistants: 1
Fellowship students: 1
Average stipend per academic year
Research Assistant: $18,312
Fellowship student: $9,600
Full-time fellowships come with some remission of fees.

FINANCIAL AID

Application deadlines
Fall admission:
U.S. students: March 15
Int'l. students: March 15
Spring admission:
U.S. students: November 1
Int'l. students: November 1

Loans
Loans are available for U.S. students.
Loans are available for international students.
GAPSFA application required: No
FAFSA application required: Yes

For further information
Address financial aid inquiries to: Financial Aid, Southern Connecticut State University, Wintergreen Building, 501 Crescent St., New Haven, CT 06515.
Phone: (203) 926-5222
Available housing on-campus

Single students: Yes
Married students: No

For further information
Address housing inquiries to: Office of Residence Life, Southern Connecticut State University, 501 Crescent St., Schwartz Hall RM 100, New Haven, CT 06515.

Phone: (203) 392-5870
E-mail: reslife@southernct.edu

Table B—Separately Budgeted Research Expenditures by Source of Support

<table>
<thead>
<tr>
<th>Source of Support</th>
<th>Departmental Research</th>
<th>Physics-related Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal government</td>
<td>$604,213</td>
<td></td>
</tr>
<tr>
<td>State/local government</td>
<td>$11,213</td>
<td></td>
</tr>
<tr>
<td>Non-profit organizations</td>
<td></td>
<td>$77,500</td>
</tr>
<tr>
<td>Business and industry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$692,926</td>
<td></td>
</tr>
</tbody>
</table>

Table C—Separately Budgeted Research Expenditures by Research Specialty

<table>
<thead>
<tr>
<th>Research Specialty</th>
<th>No. of Grants</th>
<th>Expenditures ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>4</td>
<td>$188,713</td>
</tr>
<tr>
<td>Biophysics</td>
<td>2</td>
<td>$6,213</td>
</tr>
<tr>
<td>High Energy Physics</td>
<td>1</td>
<td>$5,500</td>
</tr>
<tr>
<td>Nano Science and Technology</td>
<td>2</td>
<td>$345,500</td>
</tr>
<tr>
<td>Physics and other Science Education</td>
<td>1</td>
<td>$150,000</td>
</tr>
<tr>
<td>Total</td>
<td>10</td>
<td>$692,926</td>
</tr>
</tbody>
</table>

FACULTY

Professor


SPECIAL EQUIPMENT, FACILITIES, OR PROGRAMS

The department has significant nanotechnology facilities, including sample preparation stations, scanning electron microscopy, transmission electron microscopy, atomic force microscopy and optical microscopy. Photonics and optical instrument development facilities exist for fiber optics, spectroscopy and high-resolution astronomy projects. The department also has high-speed computing facilities.


E-mail: financialaid@southernct.edu

Financial aid website: https://www.southernct.edu/financialaid/
Astrophysics, Optics. High-resolution imaging techniques for astronomy; design and construction of instrumentation for large telescopes; binary stars as probes of stellar and galactic evolution; exoplanets.

Associate Professor
Schwendemann, Todd C., Ph.D., University of Virginia, 2006. Associate Director, Connecticut State University Center for Nanotechnology; Visiting Assistant Professor, Yale University Department of Mechanical Engineering. Applied Physics, Chemical Physics, Condensed Matter Physics, Engineering Physics/Science, Materials Science, Metallurgy, Nano Science and Technology, Solid State Physics, Surface Physics, Systems Science/Engineering. Nanoscale friction/adhesion (nanotribology) through the manipulation of nanoparticles; thin-film and nanoparticle deposition by matrix-assisted processing (pulsed laser deposition); high-resolution scanning probe microscopy.

Assistant Professor
Wu, Binlin, Ph.D., City University of New York, 2013. Applied Physics, Biophysics, Medical, Health Physics, Optics. Biophysics and medical physics, optics, imaging and spectroscopy with special interests in biomedical applications.

DEPARTMENTAL RESEARCH SPECIALTIES AND STAFF

Theoretical
Condensed Matter Physics. Magnetism; correlated many-body systems; phase transitions; statistical mechanics; numerical methods. Enjalran.

Experimental
Astronomy. High-resolution imaging techniques for astronomy; binary stars as probes of stellar and galactic evolution; exoplanets. Horch.
Condensed Matter Physics. Properties of polymers; high Tc superconductors; thin-film and nanoparticle deposition by matrix assisted processing (pulsed laser deposition); spectroscopy of materials. Bidarian, Broadbridge, Cummings, Schwendemann.
Medical, Health Physics. Biomedical physics and biophysics, optical imaging methods of biological materials. Wu.
Nano Science and Technology. Advanced materials and nanostructures for microelectronics and optoelectronics; scanning probe and electron microscopy; X-ray diffraction and spectroscopy; nanoscale friction/adhesion (nanotribology) through the manipulation of nanoparticles; high-resolution scanning probe microscopy. Broadbridge, Schwendemann, Wu.
Nuclear Physics. High-energy nuclear physics, relativistic heavy ions. Finch.
Physics and other Science Education. Learning and teaching physics, including the effective use of technology, the development of problem-solving ability in introductory students, the development of curricular materials for use in the modern learning environment, and professional development for STEM educators. Broadbridge, Cummings.

View additional information about this department at www.gradschoolshopper.com. Check out the “Why Choose Us?” section, find out more about the department’s culture and get links to social media networks.