General University Information
President: Stuart Bell
Dean of Graduate School: Susan Carvalho
University website: http://www.ua.edu
Control: Public
Setting: Suburban
Total Faculty: 1,290
Total Graduate Faculty: 916
Total number of Students: 37,100
Total number of Graduate Students: 5,140

Department Information
Department Chairman: Prof. Patrick R. LeClair, Chair
Department Contact: Nancy Pekera, Administrative Secretary
Total full-time faculty: 29
Total number of full-time equivalent positions: 31
First-Year Graduate Students: 10
Female First-Year Students: 2
Total Post Doctorates: 11

Department Address
514 University Boulevard
Tuscaloosa, AL 35487-0324
Phone: (205) 348-5050
Fax: (205) 348-5051
E-mail: npekera@ua.edu
Website: http://physics.ua.edu

ADMISSIONS

Application deadlines
Fall admission:
U.S. students: February 15
Int'l. students: February 15
Spring admission:
U.S. students: November 1
Int'l. students: June 1
Application fee
U.S. students: $60
Int'l. students: $75
Admissions information
For Fall of 2016:
Number of applicants: 120
Number admitted: 21
Number enrolled: 10
Admission requirements
Bachelor’s degree requirements: Bachelor’s degree in Physics is required.
Minimum undergraduate GPA: 3.0
GRE requirements
The GRE is required.
A score of at least 300 on revised GRE is required, or a score of at least 1000 on previous GRE general test.

Advanced GRE requirements
The Advanced 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
Undergraduate preparation assumed: Halliday and Resnick, Fundamentals of Physics; Serway, Moses, and Moyer, Modern Physics; Symon, Mechanics; Reitz, Milford, Foundation of Electromagnetic Theory; Eisberg, Resnick, Quantum Physics of Atoms; etc.

TUITION

Tuition year 2015–16:
Tuition for in-state residents
Full-time students: $5,085 per semester
Tuition for out-of-state residents
Full-time students: $12,975 per semester
Credit hours per semester to be considered full-time: 9
Deferred tuition plan: Yes
Health insurance: Available at the cost of $1200 per year.
Academic term: Semester
Number of first-year students who received full tuition waivers: 10

Teaching Assistants, Research Assistants, and Fellowships
Number of first-year
Teaching Assistants: 9
Average stipend per academic year
Teaching Assistant: $18,747
Research Assistant: $18,747
Fellowship student: $18,747

FINANCIAL AID

Application deadlines
Fall admission:
U.S. students: February 15
Int'l. students: February 15
Loans
Loans are available for U.S. students.
Loans are available for international students.
GAPSFAS application required: No
FAFSA application required: No
For further information
Address financial aid inquiries to: Office of Student Financial Aid, Box 870162, 106 Student Services Center, The University of Alabama, Tuscaloosa, AL 35487.
Phone: (855) 469-2262
Financial aid website: http://financialaid.ua.edu/

HOUSING

Availability of on-campus housing
Single students: No
Married students: No
Table A—Faculty, Enrollments, and Degrees Granted

<table>
<thead>
<tr>
<th>Research Specialty</th>
<th>2015–16 Faculty</th>
<th>Enrollment Fall 2015</th>
<th>Number of Degrees Granted 2015–16 (2011–16)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Master’s</td>
<td>Doctorate</td>
<td>Master’s</td>
</tr>
<tr>
<td>Astronomy</td>
<td>5</td>
<td>–</td>
<td>5</td>
</tr>
<tr>
<td>Astrophysics</td>
<td>2</td>
<td>–</td>
<td>2</td>
</tr>
<tr>
<td>Condensed Matter</td>
<td>–</td>
<td>Physics</td>
<td>–</td>
</tr>
<tr>
<td>Physics</td>
<td>9</td>
<td>1</td>
<td>21</td>
</tr>
<tr>
<td>High Energy Physics</td>
<td>4</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>Particles and Fields</td>
<td>7</td>
<td>–</td>
<td>8</td>
</tr>
<tr>
<td>Total</td>
<td>27</td>
<td>2</td>
<td>45</td>
</tr>
<tr>
<td>Full-time Grad. Stud.</td>
<td>– 9</td>
<td>–</td>
<td>– 9</td>
</tr>
<tr>
<td>First-year Grad. Stud.</td>
<td>– 2</td>
<td>45</td>
<td>– 2</td>
</tr>
</tbody>
</table>

GRADUATE DEGREE REQUIREMENTS

Master’s: Plan I: 24 graduate semester hours in an approved program with satisfactory performance required; “B” average; one semester in residence; master’s examination required; thesis required; no language requirement. Plan II: 30 graduate semester hours in an approved program with satisfactory performance required; master’s examination required; thesis not required; no language requirement.

Doctorate: A minimum of 48 graduate semester hours required in an approved program with satisfactory performance; one academic year in residence required; oral preliminary examination required; dissertation and dissertation examination required.

Thesis: Thesis may be written in absentia.

SPECIAL EQUIPMENT, FACILITIES, OR PROGRAMS

Facilities include well-equipped laboratories for research in condensed-matter physics, high-energy physics, and image processing. Supporting facilities include a machine shop, electronics shop, computer workstations, and direct access to the campus mainframe computer and the Alabama supercomputer. Faculty and students participate in the Center for Materials for Information Technology and the Tri-Campus Material Science Ph.D. Program. We are members of the SARA Telescope consortium, which operates a 0.9 meter telescope at Kitt Peak, Arizona and a 0.6 meter telescope at Cerro Tololo in Chile.
Assistant Professor


Professor Emeritus


Byrd, Gene G., Ph.D., University of Texas, Austin, 1974. *Astrophysics*. Theoretical astrophysics.


Harder, Philip E., Ph.D., University of Maryland, 1976. *Astrophysics*. Theoretical and observational astrophysics.


Adjunct Professor


Crocker, Deborah A., Ph.D., University of Virginia, 1987. Observational astrophysics.


Pandey, Raghvendra K., Ph.D., University of Cologne, 1967. Experimental condensed matter physics.

DEPARTMENTAL RESEARCH SPECIALTIES AND STAFF

Theoretical

Astrophysics. Galactic dynamics; galaxy formation; galactic structure; extragalactic astronomy; high-energy astrophysics; stellar evolution; supernovae. Bailin, Biermann, Townsley.

Condensed Matter Physics. Electronic structure of solids; magnetic properties; hierarchical and renormalization-group methods; magnetic lattice models. Butler, Claudia Mewes, Sarker, Schwiete, Tse, Visscher.


Experimental

Astronomy. Black holes; galaxy evolution; galaxy morphology; spectroscopy of AGN; galaxy clusters; globular clusters; X-ray astronomy; X-ray binaries. Buta, Irwin, Keel, Nair, White.


Particles and Fields. Detector research and development; neutrino physics; particle astrophysics. Busenitz, Henderson, Ostrovskiy, Piepke, Rumero, Stancu, Williams.