Transfer Articulation Agreement  
Between  
Savannah State University and the University of Georgia  
SSU-UGA Physics Transfer Program

Purpose and Goals: The goal of the program set forth in this transfer articulation agreement is to increase the number of African American students majoring in and completing bachelor of science degrees in physics in the State of Georgia. According to research compiled by the American Institute of Physics (AIP) for the 2008 academic year, while African American students accounted for 9.0% of U.S. bachelor’s degrees across all fields, only 2.9% of physics bachelor’s degree recipients were African American. Moreover, this latter percentage has steadily declined over the last 12 years from 5.1% in 1996. There is clearly an urgent need to reverse this trend and to increase the number of bright African American students pursuing physics bachelor’s degrees.

According to the AIP, “Historically Black Colleges and Universities (HBCUs) [have] contributed significantly to the overall number of African Americans who received physics bachelor’s degrees each year.” While only 4.5% of all departments offering undergraduate degrees in physics were located at HBCUs, fully 41% of physics bachelor’s degrees awarded to African Americans in 2008 came from these institutions. The AIP data also show that Ph.D.-granting physics departments account for a disproportionately large percentage of physics bachelor’s degrees. While only 25% of all physics departments offering a bachelor’s degree also offer a Ph.D. degree, these departments produced 51% of all physics bachelor’s degrees in 2008. It is worth noting that only four HBCUs offer a Ph.D. degree in physics.

Given these data, this collaborative arrangement between Savannah State University (SSU)—an HBCU institution—and the University of Georgia (UGA)—a physics Ph.D.-granting institution—affords an ideal opportunity to achieve the goal stated at the outset. Toward this end, the two institutions agree to the following:

1. The SSU-UGA Physics Transfer Program is based upon the concept of students successfully completing two or more years of pre-physics education at SSU and then completing their bachelor of science degree in physics at UGA.

2. Qualified students seeking a bachelor of science degree in physics may begin their college studies at SSU through the SSU-UGA Physics Transfer Program. Upon successful completion of the pre-physics curriculum, qualified students (see below) may transfer to UGA to complete the physics degree requirements. It is expected that students in this program, like other UGA graduates, will normally require a total of four to five and one-half years to complete the degree requirements, depending on their pre-college preparation and involvement in extracurricular activities.
Transfer Articulation Agreement
Between
Savannah State University and the University of Georgia
SSU-UGA Physics Transfer Program

Qualification Criteria: In order to qualify for transfer to UGA for completion of the bachelor of science degree in physics, students at SSU must:

- earn a minimum cumulative GPA and transferable hours that meet UGA requirements at the time of transfer;
- have completed the courses listed in Table 1 with a grade point average in these courses of 3.0 or higher prior to enrolling at UGA;
- have completed the associate of science, pre-physics option, degree program at SSU prior to enrolling at UGA; and
- be in good standing at SSU and have no conduct or behavior issues when reviewed by UGA Admissions.

Students satisfying the above criteria will be eligible for transfer admission to UGA as physics majors.

Students who are dually enrolled (such as MOWR, ACCEL, or joint enrollment) at their high schools and SSU are not eligible for a transfer agreement, but must apply to UGA as freshmen students for the term following their high school graduation.

Each institution will designate a local program coordinator associated with the SSU-UGA Physics Transfer Program. These individuals will remain in regular contact to ensure that participating students are suitably prepared for this program, in order to maximize their successful integration into the UGA physics undergraduate program upon transfer. Students are encouraged to consult with both local program coordinators as early as possible to plan coursework and work out prospective timelines.

All policies and procedures of the Board of Regents of the University System of Georgia, the Southern Association of Colleges and Schools, the University of Georgia, and Savannah State University will be applicable to this agreement.
Transfer Articulation Agreement  
Between  
Savannah State University and the University of Georgia  
SSU-UGA Physics Transfer Program  

Signatures  

This transfer articulation agreement is valid starting with the date of signature of both presidents and remains in effect until terminated in writing by either institution.  

Savannah State University  

Jonathan Lambright  
Interim Dean of the College of Sciences  

Date  

11/29/12  

Reynold Verret  
Vice-President of Academic Affairs  

Date  

11/27/12  

Cheryl D. Dozier, President  

Date  

11/30/12  

University of Georgia  

Hugh M. Ruppersburg  
Senior Associate Dean of the Franklin College of Arts and Sciences  

Date  

11-14-12  

Laura D. Jolly  
Vice President for Instruction  

Date  

11-15-12  

Jere W. Morehead  
Senior Vice President for Academic Affairs and Provost  

Date  

11-19-12  

Michael F. Adams, President  

Date  

11-20-12
<table>
<thead>
<tr>
<th>SSU Course</th>
<th>Course Name</th>
<th>UGA Equivalent</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2101</td>
<td>Calculus I</td>
<td>MATH 2250</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2111</td>
<td>Calculus II</td>
<td>MATH 2260</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2521</td>
<td>Calculus III for Engineers</td>
<td>MATH 2500</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3101</td>
<td>Linear Algebra</td>
<td>Math 3000-level elective</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3301</td>
<td>Differential Equations</td>
<td>MATH 2700</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2211K</td>
<td>Principles of Physics I</td>
<td>PHYS 1211-1211L</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2212K</td>
<td>Principles of Physics II</td>
<td>PHYS 1212-1212L</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 3801/3801L*</td>
<td>Optics and Modern Physics</td>
<td>PHYS 3700 + 1 elective credit</td>
<td>4</td>
</tr>
<tr>
<td>ASTR/PHYS 1001*</td>
<td>Introduction to Astronomy</td>
<td>ASTR 1010</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses listed in italics for "UGA Equivalent" are pending in the UGA Transfer Equivalency database.

* ASTR 1001 and PHYS 3801/3801L are optional but strongly recommended. PHYS 3801/3801L is offered at Armstrong Atlantic State University.

For more information contact:

<table>
<thead>
<tr>
<th>At Savannah State University</th>
<th>At University of Georgia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pengfei Li</td>
<td>Dr. William M. Dennis</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>Professor and Head</td>
</tr>
<tr>
<td>Department of Engineering Technology and Mathematics</td>
<td>Department of Physics &amp; Astronomy</td>
</tr>
<tr>
<td>Savannah State University</td>
<td>University of Georgia</td>
</tr>
<tr>
<td>Savannah, GA 31404</td>
<td>Athens, GA 30602-2451</td>
</tr>
<tr>
<td>Email: <a href="mailto:lipengfei@savannahstate.edu">lipengfei@savannahstate.edu</a></td>
<td>Email: <a href="mailto:bill@physast.uga.edu">bill@physast.uga.edu</a></td>
</tr>
<tr>
<td>Phone: 912-358-4457</td>
<td>Phone: 706-542-2485</td>
</tr>
<tr>
<td>Fax: 912-356-2432</td>
<td>Fax: 706-542-2494</td>
</tr>
</tbody>
</table>