The following diversity activities took place in the School of Sciences and Mathematics since July 2014.

Summer 2014
- In Summer II, Dr. Dawne Taylor offered a section of CHEM 103, a preparatory class for general chemistry, for 12 entering SCAMP/SPECTRA students. These URM students all enrolled in CHEM 103 and MATH 111 with Dr. Sophia Agrest.

- Both the Howard Hughes Medical Institute (HHMI) and NIH-INBRE grants on campus have incentivized and continue to incentivize faculty to seek URM students to participate in their research group by providing stipends and supply money for students.

- The Engaging Creative Minds Summer STEAM Institute was held for creative and energetic students in grades 3-8. They spent their summer engaged in unique learning experiences that fostered creativity to solve real world challenges working with local artists, cultural organizations, and professionals in the fields of science, technology, engineering, and mathematics. At least 25% of the students were from title 1 school. STEAM has an added component (A for ARTS) from a traditional STEM program.

Fall Semester 2014
- The SCAMP Program provides URM students with opportunities to challenge themselves academically, to increase their chances for academic success, to prepare them for what to expect in STEM career fields, and to sharpen their academic skills.

- BIOL associate professor Chris Korey taught a Learning Community First Year Experience for SCAMP students.

- Community Outreach Research and Learning (CORAL) The Grice Marine Lab held numerous discussions, demonstrations, and hands-on activities for pre-college students, especially URM students.

- The Tensor SUMMA Grant was awarded to Dr. Sophia Agrest (MATH) to encourage the pursuit and enjoyment of mathematics by students who are members of groups historically underrepresented in the field of mathematics.

- A follow-up fall break The Frog Scientist workshop was held for 5th and 6th graders from Memminger, Mitchell, and James Simons Elementary Schools.

- The College of Charleston has been selected to participate in the renewal of the statewide NIH-INBRE grant which has a major component of interfacing with the SCAMP program. Faculty members in the biomedical research field are currently to become Target Faculty through its Developmental Research Project Program. The current grant finishes up this summer and is sponsoring
On October 1 the SCAMP program held its annual research dinner featuring research presentations by undergraduate students.

On October 8 the Gender and Sexual Equity Center held a forum on “Women in Science” as part of the Diversity Week celebration. Faculty members from SSM participating were Linda Jones (PHYS), Christine Moore (CSCI), Courtney Murren (BIOL), and Ana Zimmerman (BIOL).

Throughout the year PHYS Faculty held presentations on various physics and astronomy topics including discussions, demonstrations, and hands-on activities for K-12 students, especially URM students.

Departments have begun faculty recruiting efforts and incorporating tactics to increase the number of minority applicants.

SSM made a major financial contribution of $7500 to the SCAMP budget.

Diversity is a topic on the agenda at each semi-monthly department chairs meeting.

The Department of Computer Science’s Women in Computing chapter continues to grow in number.

Research Student Outcomes: Fall 2014 HHMI students and others supported in HHMI labs

<table>
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<th>Graduate School in Science</th>
<th>Medical/Dental/Vet</th>
<th>Other Graduate</th>
<th>Employed in Science</th>
<th>Left Science</th>
<th>Unknown</th>
<th>Still planning to apply to Med</th>
<th>Still planning to apply for Grad</th>
<th>Still planning to apply to other grad</th>
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<td>10%</td>
<td>12%</td>
<td>4%</td>
<td>3%</td>
<td>6%</td>
<td>11%</td>
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<tr>
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<td>1</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
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<td>6%</td>
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<td>11%</td>
<td>0%</td>
<td>6%</td>
<td>22%</td>
<td>11%</td>
</tr>
<tr>
<td>Graduated URM students</td>
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<td>2</td>
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<td>1</td>
<td>4</td>
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</tr>
<tr>
<td>N=18</td>
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<td>11%</td>
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<td>6%</td>
<td>22%</td>
<td>11%</td>
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</table>

Spring Semester 2015

- The School of Sciences & Mathematics hosted approximately 100 students from Mitchell Elementary on January 9 and 10, 2014 to participate in a number of hands-on activities in biology, chemistry, & physics.

- The SSM office was joined by URM Maya Dillegard as one of our student workers.

- At the STEM Festival Kick-off at Brittlebank Park on Saturday February 7 the Lowcounty Hall of Science and various SSM faculty members sponsored numerous hands-on activities for the approximate 3000 participants, over 50% of who were female and around 20% of whom were underrepresented minorities.

- Darwin Week, with a special Piccolo Darwin Week for local K-12 communities, was held in honor of Charles Darwin’s birthday, February 9-13. During the week, around 200 students attended lectures on evolutionary science.
On February 13 the second annual Education Day at the College of Charleston Women’s Basketball game featured S.T.E.M. activities presented by all of the departments of the School of Sciences & Mathematics, the School of Education, Health & Human Performance, and the Office of Sustainability, plus several non-CoC agencies. Approximately 1600 4th-8th graders and their teachers and chaperones attended. Over 40% of those attending were from underserved communities.

On Saturday, February 14 the Math Department hosted its 39th annual Math Meet. Approximately 800 students and coaches from the tri-state area come to Charleston for a day of mathematics competition, culminating in an event hosted by the American Mathematical Society called “So you want to be a mathematician”, and ending in an awards ceremony. The event is a celebration of exceptional talent and broad diversity. Every race, sex, ethnicity is highly represented.

On April 24, the Department Physics and Astronomy, the Lowcountry Hall of Sciences & Mathematics, and the NASA Space Grant hosted an Astronomy Night at the Charleston Riverdogs game.

The SSM Poster Session on April 17 featured 132 posters, many from SCAMP, HHMI, or INBRE minority students.

Dr. Wendy Cory (CHEM) received the Outreach Volunteer Award from the South Carolina Section of the American Chemical Society, much in part to her NSF-sponsored grant activities that includes an outreach component to URM students at Title I schools.

On May 14, the Department of Chemistry & Biochemistry participated in a STEM hands-on activity night at Charleston Charter School for Math & Science. Approximately 200 students participated.

The following Excel awards were presented to members of SSM:
  o Pamela Riggs-Gelasco (Chemistry & Biochemistry), SSM Outstanding Faculty Member
  o SCAMP Student of the Year - Aliya Dumas (Biology)
  o SSM Student of the Year - Quinten Meadors (Biology)
  o Honors College Outstanding Student – Neha V. Muoppala (Biology) and Needhee N. Patel (Biology)
  o Eugene C. Hunt Senior Minority Student- Tervor Stubbs-Stroud (Marine Biology)
  o Eugene C. Hunt Junior Minority Student- Jasmin R. Graham (Marine Biology)
  o Outstanding Female Athlete of the Year – Alexia M. Neal

HHMI and INBRE will be funding a number of minority students to participate in summer research projects with SSM faculty.

On May 29 three classes of students from Sanders-Clyde Elementary, hosted by CHEM and GEOL, participated in hands-on chemical activities and toured the Natural History Museum.

The faculty hiring process in the Department of Physics and Astronomy concluded with an offer being made to a female.

Dr. Mani Pokharel, a URM, has been hired as the Physics laboratory manager.

Dr. Susan Morrison of the Department of Biology is the academic advisor for students participating in the PREP program for MUSC students. This program is designed to prepare applicants who are from underrepresented groups in medicine & dentistry and who are considered to have a good chance of success. They are selected from the pool of applicants to
MUSC’s dental school or medical school. They spend one year at the College of Charleston taking primarily science courses, with funding coming from MUSC.

- Dr. Narayanan Kuthirummal of the Department of Physics and Astronomy mentored is the STEM advisor to 7 students in the ASCEND (Achievement, Self-awareness, Communication, Engagement, Networking, and Development Skills) program of the Alpha Kappa Alpha Sorority, Inc. Students in this program will have an opportunity to receive academic enrichment and life skills training to support their journey to college or vocational employment.

- From 2010-2013 Chemistry & Biochemistry sent 73% of its URM students (African American and Latino) to graduate and professional schools (MD, PhD, pharmacy, etc.)

- In June 2015 the Department of Computer Science hosted the Geek Squad Summer Academy. The 2-day computer camp comprises about 100 girls mostly from the Lowcountry. Sponsored by Best Buy Geek Squad, the girls learn subjects such as Robotics, Digital Filming, 3-D Printing, and Digital Citizenship.