

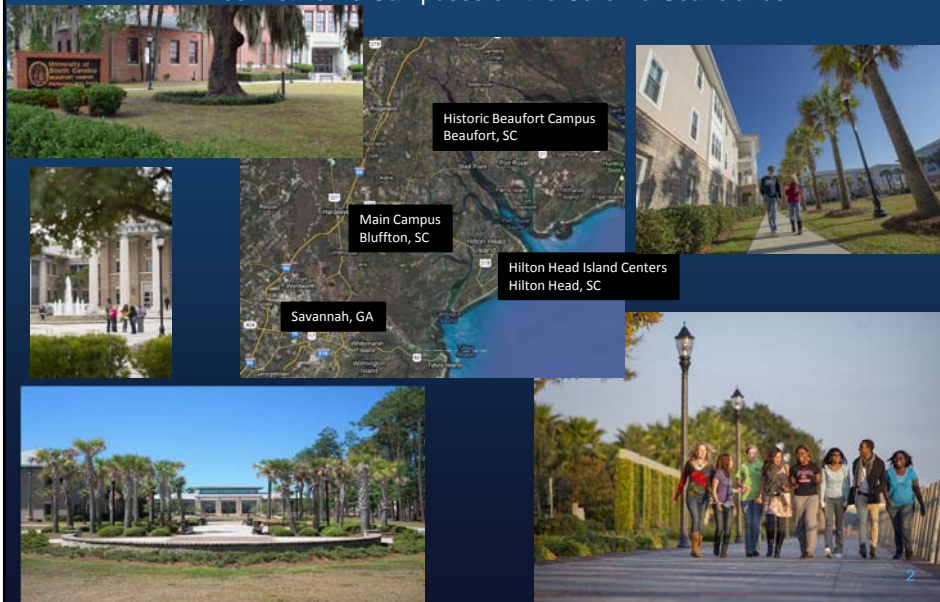


UNIVERSITY OF
SOUTH CAROLINA
BEAUFORT

The Past, Present, and Future of
Computational Science at USCB

University of South Carolina Beaufort

Three Distinctive Campuses on the Carolina Sea Islands



How does USCB define “Computational Science”?

- We consider **Computational Science (CSci)** to be a field of **Applied Computer Science**, in which computing theories and software techniques are used to serve and advance many diverse fields, including science, engineering, social science, business, and more!

CSci@USCB: A Timeline

Spring 2007:

- Initial discussions for a new undergrad program in CSci

2007-2009:

- Grant/program application process
→ July 2009 – NSF EPSCoR Track-1 award

Fall 2010:

- Program implementation at USCB

2010 & Ongoing:

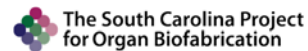
- Workforce development & student recruiting

2013:

- NSF S-STEM scholarship award (>\$600K)
- USCB Student Chapter of ACM chartered

2018:

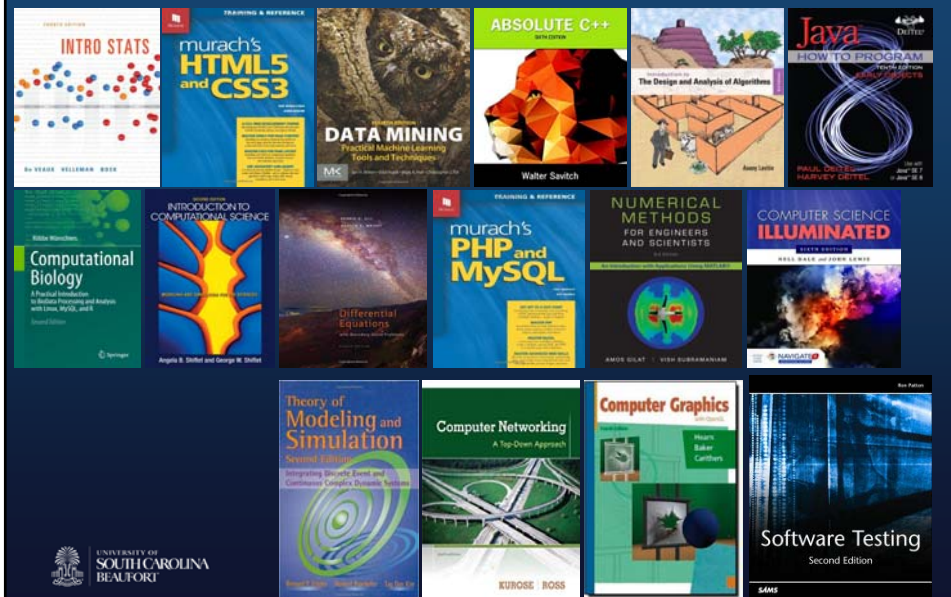
- New **Master of Science** program



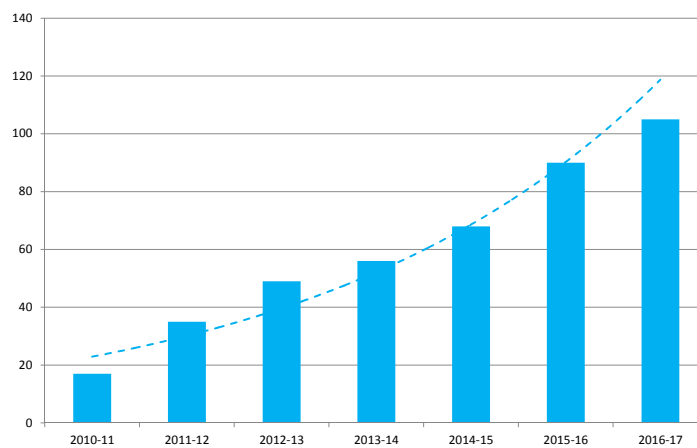
Bluffton Today



A Wide Range of Courses



CSci@USCB: Enrollment Growth



Scholarship Opportunities

- National Science Foundation (NSF) S-STEM scholarship program
- South Carolina Legislative Incentive for Future Excellence (LIFE) scholarship program
- South Carolina Palmetto Fellow scholarship
- South Carolina HOPE scholarship
- Other scholarship programs
 - In-state transfer scholarship
 - Residential scholarship
 - Athletic scholarships



SOUTH CAROLINA
Commission on Higher Education



UNIVERSITY OF
SOUTH CAROLINA
BEAUFORT

A Young, Energetic Faculty



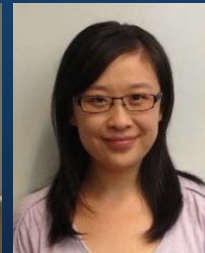
Yiming Ji, PhD
Auburn University
Wireless Networks
Image Processing
2016 Governor's Award
Recipient



Xuwei Liang, PhD
University of Kentucky
Biomedical Imaging
Pattern Recognition



Brian Canada, PhD
Penn State University
Zebrafish Phenomics
Digital Humanities



Xiaomei Zhang, PhD
Penn State University
Wireless & Social Networks
Mobile Computing

Nearly 100% Job Placement for CSci@USCB Graduates



Words from Students

- *"I credit my thorough preparation for the work environment to the Computational Science Program and the faculty of the Mathematics and Computational Science Department, and USCB, in general. I am pleased to recommend the Computational Science Program to any student seeking to obtain a technical degree with a vast number of applications that is in high demand." - now at Fidelity Investments*
- *"I believe that CSci at USCB has to be one of the best career building programs you can find from a small campus." - now at Raytheon Co.*
- *"I feel so blessed for being a part of this program and the wonderful opportunities it has given me." - now a graduate student*
- *"Computational Science program at USCB is not just computing, it is a community" - now at Reynolds American Inc.*

The Future of CSci@USCB

