



Rowan College
at
BURLINGTON COUNTY

**Spotlight on the Division of Science,
Technology, Engineering and Mathematics
(STEM)**

April 2019

Message from the Dean

It's that time of the year when the STEM division faculty showcase their areas of expertise and passion for STEM on the Mount Laurel Campus. *Science Slam* is May 5 from noon to 4 pm. For the second year in a row, the Undergraduate Research program will have a student poster competition from 9 am - noon in the Student Success Center.

Our faculty, students, staff and community partners will host hands-on STEM and health-related activities. Participants will investigate crime scenes for evidence, learn about blood typing, gain a deeper understanding of their eating habits, use mathematics and data to discover the evolution of measurements, and enjoy drone flying and robot dancing, among other fun activities.

There will be something for everyone from kindergarten kids to senior citizens. One of this year's new attractions is the live streaming of the event by Victory FM 1460 WIFI radio station.

Thank you to all who are working tirelessly to making this event a success again this year.

Dr. Edem Tetteh

IOTA Student Evaluations

The Spring IOTA Survey for 15-week courses will begin Friday, March 29th and run through April 6th. Please remind students that this is a great opportunity for their voices to be heard! Instructors are encouraged to set aside class time for students to complete the evaluation. However, extra credit CANNOT be offered for completing the survey. Please contact Alaina Walton with any questions (awalton@rcbc.edu).

You are cordially invited to the



SEATING - 6:45 PM | SHOW TIME - 7 PM

STUDENT SUCCESS CENTER • MOUNT LAUREL CAMPUS

Please RSVP by April 30 at



rcbc.edu/fashion-show-rsvp

Student Fashion Show

The Annual RCBC Fashion Show will take place on May 10 in the Student Success Center. Please come out to support the Fashion Department as student designers model their creations. All are welcome but please rsvp at www.rcbc.edu/fashion-show-rsvp.

Student Spotlight

Meagan Schweigem will receive a B.S. in Chemical Engineering, with a minor in Mathematics from Rowan

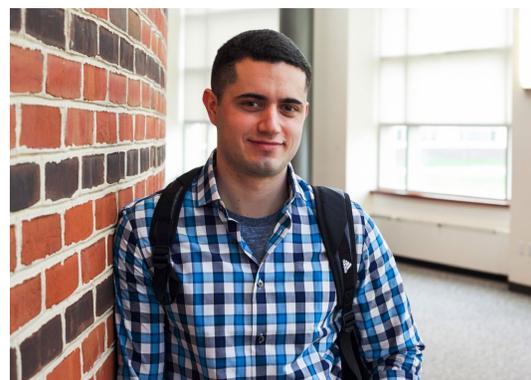


University in May 2019. Meagan, a former student of Terry Sherlock, began her academic career at RCBC and graduated in May 2016. Meagan says that RCBC was a great stepping stone between high school and the four-year program at Rowan.

“After transferring, I discovered that RCBC had provided a greater foundation for me to continue learning things both within and outside my major coursework, which could be attributed to a few things. The smaller class sizes at RCBC gave my professors more time to devote to answering specific questions that I had. Not only that, but it was easy to see how much each professor cared about my success in moving from here to the next step- they always made sure to be available for extra help. The most important take-away from RCBC was the sense of confidence that it fostered in me.”

After graduation, Meagan will take the Summer to prepare for her move to Lesotho, Africa to serve in the Peace Corps. She will be teaching math to high school students there, as well as leading community programs to promote healthy lifestyles. Her goal is to empower students to solve problems creatively and cooperatively.

RCBC alumnus, Justin Ryan, has accepted a position at Chemours in Research and Development. Justin graduated from RCBC in 2016 and entered the Chemical Engineering program at Rowan from which he will graduate in May. He credits his success to research both at RCBC and Rowan University under the



direction of Terry Sherlock and Dr. Noshadi, respectively.



Markita, "Kiki", Iseley is a first semester student in Serena Rosen's MTH-055 class. Kiki's hard work, dedication and warm heart has made her a stand out among her peers. Originally from Philadelphia, Kiki lives locally and chose RCBC to pursue her goal of becoming a nurse because of our reputation and affordability. She loves helping people and currently works as an in-home support person for special needs patients. Welcome to RCBC Kiki!

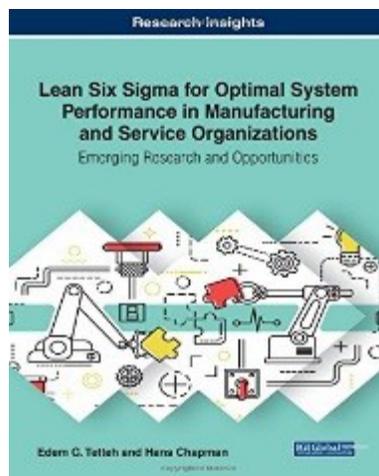
More Student Success Stories

Ryan Veitenheimeris has been accepted into the Miles Technologies Software Development boot camp. Ryan is one of 20 applicants accepted to this program based on an application process which included: a resume, professional references, a formal application, and a 10-question video recorded by the company CEO. The camp is designed for working adults who aren't able to commit to a full-time schedule like other bootcamps. The bootcamp covers 3 main topics: database design and development using Structured Query Language (SQL), Web development using Angular, and Web development using Node. Miles Technologies, based in Lumberton, NJ, offers this boot camp free to those who are accepted. Ryan is currently a student of Computer Science Instructor, Chris Simber, and will graduate in May 2019.

BookAuthority Recognition

Dr. Edem Tetteh's latest book "Lean Six Sigma for Optimal System Performance in Manufacturing and Service Organizations: Emerging Research and Opportunities" was selected for BookAuthority's list of Best Six Sigma Books of All Time.

BookAuthority is the world's leading site for non-fiction book recommendations for developing personal and professional skills. Dr. Tetteh's book is available for purchase on Amazon.



Biology Department Update

- Biology Instructor, Anne Tokazewski, participated in an RCBC promotional video that was second in a series titled "I Teach". The goal of the video was to highlight our faculty and to promote RCBC. Watch Anne's video [here](#).
- Anne also attended the Biology Majors Symposium hosted by McGraw-Hill in at the beginning of Feb - focusing on utilizing Active Learning in the classroom. Jen Rienzi and Shannon Meadows joined Anne in an Active Learning Academy to develop some material and strategies to implement in RCBC courses.
- Shannon and Anne provided a professional development program designed for instructors (primarily STEM) who have large lectures in March. The program focused on examining classroom management techniques and identifying the appropriate low stakes assessment type for instructors' courses.

Whitesbog BioBlitz



BIOBLITZ

At Whitesbog



Our second annual thorough evaluation of the Biodiversity of Whitesbog, a beautiful 3000-acre natural area in the New Jersey Pine Barrens.

Saturday, May 18th and 19th 2019

From 11a.m. 'till 11a.m.
799 Lakehurst Road - Browns Mills, NJ 08015
Brendan T. Byrne State Forest

Live Music, Guided Nature Walks, Food and More!

A FREE event for Families, Scientists, Students, Teachers and other community members to work together to identify as many species as possible to learn about local biodiversity.



njpineways.com




WHITESBOG.ORG

The Whitesbog Preservation Trust will host the second annual WhitesBog BioBlitz on May 18-19. Biology Adjunct, Rick Stevens, has been instrumental in organizing this event for the past two years. Rick describes a bioblitz as a 24-hour event that focuses on identifying and quantifying as many species as possible in a specific place. Community members and scientific experts work together to learn more about local biodiversity. The event serves as a unique learning experience while generating valuable information for conservation and sustainability purposes.

Whitesbog, is a beautiful 3,000+ acre natural area in the New Jersey Pine

Barrens. At last year's event, approximately 400 members of the public and two dozen professional scientists took part in this collaborative effort to discover and catalog the biodiversity of this historic New Jersey Pine Barrens property. In total, 621 species were observed and identified. Some of the beautiful, poorly known, and/or locally rare organisms that were identified include the Virginia Big-headed Tiger Beetle (*Tetracha virginica*), Pine Barrens Tree Frog (*Hyla andersonii*), Dragon's Mouth Orchid (*Arethusa bulbosa*) and the Eastern Kingsnake (*Lampropeltis getula*). For more information visit their [Facebook page](#).

WHY SCIENCE MATTERS

The 'WHY SCIENCE MATTERS' lecture series offers a monthly seminar to non-scientists who want a better understanding of the science that impacts their environment, health and everyday lives. The audience seeks to be better-informed when walking in the voter's booth, the doctor's office or the grocery store. This series aims to present the salient theories within disciplines such as genetics, geology, environmental science and chemistry - without the jargon, complicated graphs and overwhelming detail.

If you are interested in attending, contact us at lucasolutionsllc@gmail.com and we will add you to our mailing list. If you are interested in taking the stage to explain what you 'do for a living' and help the community understand how your field impacts their lives, please contact us lucasolutionsllc@gmail.com.

Faculty Fun

Chef James Brudnicki conducted a STEAM camp for the O League in December focusing on Career Exploration and Understanding. The O League is a nonprofit organization in the greater Philadelphia area whose objective is to equip students with the tools necessary for success

in all areas of life through various educational and athletic programs.



Galileo, aka Physics Instructor, Greg Perugini, presented to first graders at the Baker Elementary in Moorestown on February 15.

Success Stories

Math Instructor, **Jonathan Weisbrod**, received a CURM (Center for Undergraduate Research in Mathematics) grant for 2019-20. The grant

funds four research students, travel support, and supplies.

Biology Adjunct, **Laura Roselli**, will present “Using Technology to Handle Challenges of Large Groups, Learning Assessment and Little Time”, at the sixth annual [Rutgers University–Camden Faculty eLearning Conference](#) place on April 11, 2019.

STEM at RCBC

Striving to meet STEM’s PAQ

P– Promotion

A– Access

Q– Quality

Send any newsworthy articles to staylor@rcbc.edu to be included in the next newsletter.

SCIENCE and TECHNOLOGY: YOUR FUTURE, OUR PASSION

Mission— is to create an exciting, engaging, and enriching learning environment and opportunities using the unique talents of faculty and staff.

Goals:

1. Create a high quality educational experience to STEM students.
 2. Empower student to excel in STEM fields at the local, regional, national and global stage.
 3. Promote excellence in teaching, learning and service to community.
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Spotlight on STEM April 2019