



Rowan College
at
BURLINGTON COUNTY

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

May 2019

Message from the Dean

WOW! It is that time of year again when we say goodbye to an awesome 2018-2019 academic year in the STEM division. This year was amazing and filled with an abundance of exciting activities including Black History Month activities and Science Slam in which we saw record numbers in community participation. Let's not forget the many scholarship-backed activities that took place, such as the impressive Student Research poster presentations, conference presentations, publishing, curriculum innovations and grants, to name just a few. We are looking forward to 2019-2020 academic year to expand on these exceptional activities and events. Bigger, better and much more focus on the needs of both our students and surrounding community is the goal. Attention will primarily be focused on creating more Industry Advisory Boards, preparing for the Association of Technology Management and Applied Engineering (ATMAE) accreditation in the computing programs, developing and implementing more 3+1 programs, and impacting the local and global community.

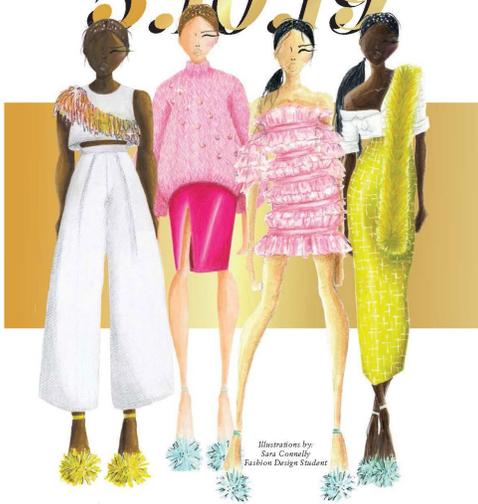
Have an amazing summer! See you next academic year.

Dr. Edem G. Tetteh, Dean

You are cordially invited to the

RCBC ANNUAL FASHION SHOW

5.10.19



SEATING - 6:45 PM | SHOW TIME - 7 PM
STUDENT SUCCESS CENTER • MOUNT LAUREL CAMPUS
Please RSVP by April 30 at



rbc.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.

Welcome Jocelyn!



The STEM Division welcomes **Jocelyn Small** as the newest member of the STEM office team. Jocelyn is anxious to share her knowledge and skills as one of our two Academic Secretaries. Please join us in welcoming Jocelyn!

Student Spotlight

Shanni Prutchi

Shanni Prutchi is a current student at Rowan College at Burlington County, earning her A.A.S. in Information Assurance and Cybersecurity, as well as a B.A. in Computing and Informatics through RCBC's 3+1 program with Rowan University. She holds a Security+ certification, and in her free time enjoys reading and listening to podcasts. Shanni



submitted this testimonial.

“The Cybersecurity program at Rowan College at Burlington County has had such an immense and positive impact on my education. The program takes a hands-on approach to learning, so in all our classes we get to do what we are being taught. This practical experience not only improves our understanding of the material, but also prepares us for succeeding in a professional capacity. Professor Paul Warner, the head of the cybersecurity program, extends our educational opportunities beyond the classroom—inviting recruiters to conduct mock interviews, holding online tutoring sessions, informing us of employment opportunities, making additional resources available to us, and encouraging our growth as students. With the help of this program, I was able to earn a Security+ certification, which I achieved after a semester of one of Professor Warner’s classes and just a few extra hours of studying. The dedication shown by all the professors who contribute to this program is met equally by the dedication and enthusiasm of all of us as students; we put in extra hours to conduct student research, explore the constantly changing cyber-terrain, and are always prepared to take on a challenge. I will be honest, cybersecurity is not an easy field of study and demands a true passion on behalf of the students, but RCBC’s program fosters that enthusiasm in a manner unparalleled by other colleges. “

Benjamin Agostini

Congratulations to Benjamin Agostini for reaching a certification milestone. Benjamin took the Cisco Certified Network Associate (CCNA) exam on Tuesday, April 2, 2019 and passed the exam. As a result, Benjamin is Cisco certified. Great Job!

Benjamin is a student in the MIS program who has set his sights high and is making every effort to achieve his academic and certification goals. He is truly a leading example of hard work and self-determination. Best wishes, Benjamin, for continued success.

Keigan Perry-Matson

Keigan Perry-Matson was just hired by Price Systems, LLC for an internship. Keigan graduated from RCBC in December 2018 with an associates of computer science. He is currently taking a smaller, part-time semester at RCBC to save some money up, but intends to begin a 3+1 program in computing and informatics this upcoming fall semester. His goal is to find permanent employment within his major, hopefully at Price Systems, LLC as a result of this internship.

Darrus Bethea

Computer Science student, Darrus Bethea, will be a camp instructor in China this summer. He will be teaching Chinese children, from elementary to high school age, how to code using Minecraft and Scratch. Hibernian Global Education Initiative is sponsoring the trip which is all-expense paid. Darrus will be graduating from RCBC this spring and transferring to Rowan University as a senior this fall. He plans to graduate in May 2020 with a Bachelor's of Science in Computer Science.

Timothy Kroger

Computer Science student, Timothy Kroger, has landed a summer paid internship with ASRC Federal Mission Solutions in Delran NJ. ASRC Federal companies deliver engineering, information technology, infrastructure support,

professional and technical services and solutions to US civil, intelligence and defense agencies. ASRC Federal is new employment pipeline for RCBC students.

Department Updates

2019 ABET Symposium



Dr. Edem G. Tetteh and Aloysius Nagbe, Computer Science Instructor, attended the 2019 ABET conference in Dallas, Texas on April 10-13. The Symposium is the flagship event for accreditation, assessment and the global exchange of best practices in STEM education.

Computer Science SRS Team Examines “Artificial Intelligence”

Artificial Intelligence is a branch of computer science dealing with the simulation of intelligent behavior in computers, emphasizing the development of intelligent machines, thinking and working like humans. When you ask Siri where the best Chinese restaurant is, to turn up the music volume, or what the best cure

for a hangover is; you are consuming artificial intelligence. Working with Computer Science Professor Simber, students researched the state of the art of AI and the cost estimating implications of developing AI software. The final report includes: the most popular technologies and platforms for developing AI software, the most important skills and challenges for AI developers, and the factors in an AI development project that are likely to have cost implications when compared to more traditional software development projects. The results of the research will be presented to the CEO and Chief Scientist at Price Systems, LLC.

- Chris Simber

Commercial and Fine Arts Event



On Wednesday, May, 1, 2019 the Mount Holly Arts Center was host to the first bi-annual Food & Folio event and the 20th Annual Student Art & Design Exhibition.

Food & Folio is an event created to showcase the portfolios of the capstone courses in the fine and commercial arts programs. Graphic Design, Photography, Fine Art, Fashion Design, and Culinary Arts students showcased their work to the public that they have put together in their portfolio courses. The Culinary Arts program offered dinner in their restaurant to the public once a week during the semester as their capstone course. This event runs once a semester to offer students their first networking opportunities with the public.

The 20th Annual Student Art & Design Exhibition showcased artwork from students in all programs who submit work to be juried and judged. Awards were

presented in all categories: Drawing, Sculpture, Painting, Jewelry, Graphic Design, Photography and new this year Entertainment Technology.

- Tiffany Ruocco

Guest Speaker Visits Nutrition Class

Andrea Millstein's Elementary Nutrition class (FSM-215) was treated to an educational visit from Beth Ann Peterson, Registered Dietitian from the Medford ShopRite. Beth Ann explained the significant role that the Shop Rite Dietitians provide for customers and staff. For NO fee they counsel on all aspects of therapeutic nutrition (diabetes, sodium and fat restriction, weight reduction, etc.). The Dietitians lead classes and store tours for adults and children. For our class she brought samples of nutritious bars, star fruit, dragon fruit and even a Pomelo Grapefruit. We are lucky to have such great services at the store so many of us frequent, along with visits each semester. For more information or to arrange for a class or consultation go to:<https://events.shoprite.com/Stores-Results/Search-Result/storeid/116/zipcode/08055>. You can also listen for the regular announcements concerning events while shopping and pick up information at the office that is next to the pharmacy.

-Andrea Millstein

STEM visits the Ivory Coast



Dr. Edem G. Tetteh's passion for STEM was on display in Côte d'Ivoire at Simone Gbagbo high school and the International University of Grand-Bassam. The Dean of the STEM division was invited to speak to middle school students about career opportunities in STEM fields and the newly created 3+1 BS degrees in Mechanical Engineering Technology and Electrical Engineering Technology.

Kawempe Hospice Visits RCBC STEM



On Thursday May 2, Sarah and Gerever visited the Rowan College Campus. Gerever is the owner and operator of the Kawempe Hospice in Uganda. Kawempe Hospice works closely with Samaritan Hospice to exchange knowledge and best practices for hospice care for pediatric cancer patients and also for adults facing terminal diseases. Representatives from Uganda and Samaritan Hospice visit each other's facilities every other year. This year's trip included a visit to the RCBC campus to speak with the Division Deans and to share the educational experiences that RCBC has to offer our students. Sarah and Gerever are pictured here with Zahirah Sabir, Manager of Strategic Partnerships, and Dr. Elizabeth Price, Associate Dean STEM.

- Elizabeth Price

STEM Fun

Science Slam 2019



Our faculty, students, staff and community partners hosted hands-on STEM and health-related activities at **Science Slam** on May 5th on the Mount Laurel Campus . There was something for everyone from kindergarten kids to senior citizens. The Undergraduate Research program featured a student poster competition in the morning in the Student Success Center. We even had a special visit from Barry! The event this year was attended by more than 500 guests despite the rain. Thank you to all who worked tirelessly to making this event a success again this year.

Burlington County Makers Faire



RCBC STEM participated in the 5th Annual Makers Faire at the Burlington County Library, Saturday, March 23, 2019. The Makers Faire celebrates maker culture with hands-on tech fun, do-it-yourself projects, and STEM activities. One hundred and sixty two guests visited the RCBC RV for a virtual reality demonstration and STEM information.

Teentech



On Friday May 3rd, the RCBC campus was guest to 70 young women that were introduced to different hands on activities in STEM. The event was cosponsored by the Medford Chapter of AAUW and the RCBC STEM Division.

The students were from seven Burlington and Camden area High Schools. They enjoyed STEM activities that included academic areas of biology, biometry, computer science, geospatial technology and electrical engineering technology put on by the respective faculty. The technology educators accompanying the students were introduced to the degrees and uniqueness that STEM has to offer at RCBC. Each young woman was able to experience two workshop, learn more about RCBC, experience our beautiful campus, and hangout with Barry.

- Elizabeth Price

Coriell Institute Science Fair

Leon Hageman represented RCBC as a science judge at the annual Coriell Institute Science Fair at Blackwood, New Jersey on Saturday March 23, 2019. Activities began at 7:30 AM and judging was completed just after noon. This regional fair has a tradition of promoting interest in science for over thirty years. Approximately one hundred students submitted projects for this year's event.

Success Stories

Fredrick Dande's paper, "A Risk Assessment Framework For Cloud Software As A Service Adoption Evaluation Within The Financial Services Industry", was accepted for publication at the 33rd Ibima International Conference in Granada, Spain. Fredrick, a CIS Adjunct, served as part of the International Committee board for this conference, as well.

The University of Pennsylvania recently honored Physical Science Adjunct, **Francesca Mundrick**, for Most Outstanding Teaching Assistant and Teaching Excellence in Undergraduate Education. The awards ceremony was the departmental 'end of year' honors for the University of Pennsylvania Department of Earth and Environmental Science.

Dr. Edem G. Tetteh was one of two individuals selected in NJ as the 2019 ACT

College and Career Readiness Champions. The ACT College and Career Readiness Champions are high school seniors, K-12 professionals, postsecondary professionals and workforce professionals who are making a positive impact on their communities through their efforts to advance college and career readiness for all. Champions are individuals across the country who support ACT's mission of education and workplace success. To learn more, visit www.act.org/readinesschampions .

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.

Contact Us

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