

Dean of Mathematics, Science and Technology

The Dean of Mathematics, Science & Technology academic division dedicated to student learning and innovative approach to education. A team leader with the focus on collaboration, engagement, support, and development of faculty and students in a positive learning environment.

Experience

- 2019 – Present Dean of Mathematics, Science and Technology Division
- plan and develop the instructional objectives for the Division of Mathematics, Science and Technology
 - lead department heads, coordinators and faculty in the development, implementation and evaluation of new and existing curricula
 - oversee the development of annual goals consistent with the College's strategic plan and for the systematic assessment of academic programs, departments and student learning
 - recruit, evaluate, reappoint full-time faculty and staff
 - incorporate technology and distance learning into instruction
 - review facilities requirements and cost analysis
 - supervise department heads, coordinators and staff; development and management of divisional budgets and facilities
 - participate in grants development
 - collaborate with High School programs
 - supervise the discipline areas in Biology, Chemistry, Computer Science, Horticulture, Industrial Design Technologies, Information Technology, Mathematics and Physics
- 2015 - 2019 Academic Department Chair | Assistant Professor
Computer Science, Engineering and Information Technologies Department,
Bergen Community College, Paramus NJ
- Oversee all functions of the academic department
 - Develop and update program curriculum
 - Promote new initiatives in the curriculum development: Enterprise Computing, Cybersecurity
 - Mentor students and lead student research projects
 - Provide career advice and education advice to students
 - Establish and maintain partnerships to articulate agreements with four-year institutions
 - Establish and maintain partnerships with industry professionals
 - Establish and maintain partnerships with local High Schools
 - Monitor departmental budget
 - Oversee recruitment, hiring and orientation of full-time faculty and part-time faculty
 - Provide support to part-time and full-time faculty
 - Assess instruction methods and delivery of full-time and part-time faculty
 - Develop and maintain class schedule for multiple disciplines
 - Oversee the utilization of computer lab facilities and equipment
- 2006 – 2015 Assistant Professor Tenure-Track (2010-2015), Lecturer (2009-2010), Adjunct Professor (2006-2009),
Bergen Community College, Paramus NJ
- Taught and enhanced various academic courses
 - Coordinated multiple sections of Introduction to Information Technology course
 - Led Summer student research projects
 - Proposed and implemented multiple curriculum changes
 - Participated in Open Houses and student group advising sessions
 - Advised students and provided registration recommendations
 - Participated in college-wide committees (Admissions & Library Committees)
 - Taught professional development classes for BCC Center for Innovation in Teaching and Learning

Academic Disciplines Taught:

System Analysis and Design, Applications Development, Java Programming, Introduction to Programming in Python, Visual Basic Programming, UNIX/Linux for Network Administrators, Introduction to Computer Science, Introduction to Information Technology.

2001 - 2005

Technology Instructor / Instructional Designer, *Big Apple Educational Center, Brooklyn, NY*

- Developed and taught Technology curriculum introducing major aspects of communication, production, and transportation technologies
- Enriched formal curriculum with hands-on activities, Technology Fairs, up-to-date workshops and seminars and field trips
- Received Board of Directors Special Recognition and Appreciation Awards for three consecutive years

1999 – 2001

Programmer Analyst, *National Discount Brokers, Jersey City, NJ*

- Enhanced and improved online trading system running on Netscape Application Server and using AppLogic C++ and Java classes
- Developed major enhancements to NDB e-mail system
- Provided NDB customers with the ability to use real-time interactive messaging system “i-answer” to contact Customer Service representatives
- Designed and implemented NDB Stream Machine, a real-time Level II quote provider
- Developed and administered customer training sessions

1996-1999

Software Engineer, *PaineWebber Inc., Weehawken, NJ*

- Designed and enhanced Managed Accounts online trading system
- Developed DOT client-server protocol for automated order execution on several exchanges
- Implemented password aging system for online trading system
- Accommodated numerous system changes to satisfy user requests
- Performed client support and training

Education

Present

Ed.D. in Educational Technology Leadership, *New Jersey City University, Jersey City, NJ*

Up-to-date GPA: 4.0

Projected Graduation: 2020

Proposed Dissertation Topic: Impact of learning analytics formative feedback on course completion rates

2006-2008

Masters of Science in Educational Technology, *Ramapo College, Mahwah, NJ*,

GPA: 3.9

1993-1996

Bachelor of Science in Computer and Information Science,

Brooklyn College of City University of New York, Brooklyn, NY

Magna Cum Laude graduate,

Golden Key National Honor Society member, Dean’s List

GPA in major: 4.0, GPA overall: 3.8

Presentations / Interactive Sessions

Vandalovsky, E. (May 2019). Will You Sit with Me? National advocacy campaign for encouraging women in computing careers. Bergen Community College, 2019. Retrieved from <https://www.youtube.com/watch?v=On6oCA8b7dw&feature=youtu.be>

Vandalovsky, E. (February 2019). Broadening Student Learning Experiences Through Academic Initiative Partnership. Presentation at NJ Edge event: Teaching with Technology Showcase. William Paterson University, 2019.

Zeiger, L., Carnahan, C., McCarty, B., Munn, C. & Vandalovsky, E. (Dec. 2018). Educational Technologies in the STEM Classroom. Presentation to the Ningbo Bureau of Education, China. New Jersey City University, 2018

Zeiger, L., Bahna, S., Cotter, K., Evans, T., McCarty, B. & Vandalovsky, E. (Dec. 2018). Breakthrough Educational Technologies of 2019. Presentation to New Jersey Association of School Librarians. NJASL 2018 Fall Conference, 2018.

Professional Affiliations

Member of ACM-W, the Association for Computer Machinery, Council on Women in Computing

Member of the Chair Academy, NJ Community Colleges Foundation

Member of NJ/NY Computer Science Chair Conference

Member of CCCC, Community College Consortium of NJ

Member of Industry Advisory Board at Kean University

Member of Advisory Board at Applied Tech High School

Selection of Attended Conferences, Workshops, Events:

June 2019	Chair Academy Part II, NJ Community Colleges Foundation at Atlantic Cape Community College, NJ;
May 2019	[hackathon co-host & session leader] STEM C^2 Annual Research Summit at BCC;
March 2019	[invitational event] Teaching with Today's Technology seminar by Paradigm Education Solutions, in Baltimore, MD;
October 2018	[invitational event] judge at 2018 Congressional App Challenge for NJ 5 th Congressional District, NJ
June 2018	[my student team presented] 2018 Enterprise Community Conference at Marist College, NY;
June 2018	Chair Academy Part I, NJ Community Colleges Foundation at Atlantic Cape Community College, NJ;
April 2018	Annual Cyber Security and Big Data Analytics Summit at William Paterson University, NJ;
April 2018	[hackathon co-host] STEM C^2 Annual Research Summit at BCC;
November 2017	[co-presenter] BCC Instructional Computing Summit: presentation on incorporating instructional computing into teaching;
October 2017	[my student team participated] 9th Annual GS-LSAMP STEM Research Conference at Kean University;
June 2017	[my student team presented] 2017 Enterprise Community Conference at Marist College, NY
August 2017	[co-presenter] Advisory Board Meeting at BCC; topic: Cybersecurity education
April 2016	Women in Cybersecurity, University of Texas in Dallas, TX;