Engineering Student Receives Jack Kent Cooke Scholarship

Diego Cruz – Burbano (engineering major), along with two other ECC students, received up to $30,000 per year to cover educational expenses, including tuition, living expenses, books and required fees, toward their four-year degrees, as recipients of the prestigious Jack Kent Cooke Foundation Undergraduate Transfer Scholarship, the largest private national scholarship. “The Jack Kent Cooke Foundation conducts a nationwide search for the finest students in America”, said our newly appointed president, Dr. Gale Gibson. “We are the only community college in the country to have 3 scholarship winners in both 2012 and 2013, and this is a testament to our dedicated students, and our great faculty and staff.”

Diego was honored at the Annual Phi Theta Kappa Day held in Trenton in May 2013. The Essex County Board of Chosen Freeholders honored him for his high academic achievements in spite of trying circumstances. He graduated in May 2013 and was the Assistant Marshal for the class of 2013.

Congratulations Diego on all your achievements! We wish you continued success as you pursue your dream of becoming a civil engineer.

ETCS Computer Club Receives Excellence Award

The Computer Science Club received the Excellence Award for being the Best New Club at Student Life & Activities Annual Award Ceremony on April 19, 2013. The Computer Science Club received this award based on their innovative ideas and service events for the Academic Year 2012-2013.

What helped put the Computer Science Club over the top was their recurring Computer Repair event that the club held throughout the year. This program consisted of members allowing students to bring in their malfunctioning and broken computers. The club would then troubleshoot any issues that students were experiencing and fixing these items for little or no cost to the students. This served as exemplary campus and community service, and was beneficial to a lot of individuals who either lack the expertise or finances to get their computers repaired.

This excellent achievement was possible due to the great leadership by Computer Science Club president, Jean Loizin and faculty advisor Professor Yoo Jung An.
News Brief

Hydroponics Project Awarded $25,000 Ford C3 Grant

Essex County College, through a collaborative relationship with The Branch Brook Park Alliance in partnership with the County of Essex, has been awarded a $25,000 Ford College Community Challenge (Ford C3) Grant. ECC is one of only nine colleges and universities throughout the nation to receive one of these highly competitive grants and the only community college to do so. The grant was awarded for innovative ETCS Division student-led proposal that utilize the school’s resources and capacity to address a social need or problem in the community.

Prof. Dimopoulos and the engineering students worked on the proposal aimed to design/engineer a rainwater harvesting project that promotes sustainability.

ECC Receives $2.75 Million Grant for IT Programs

On 9/18/2013, USDOL, Secretary of Labor announced $474.5 million in grants to Community Colleges and Universities around the U.S. for the development and expansion of innovative training programs in partnership with local employers. ECC received $2.75 Million as part of the Trade Adjustment Assistance Community College and Career Training Grant program. Through the Newark Area Industry Linked Information Technology (NAIL-IT) program, ECC, with technical assistance from Jobs for the Future and Wider Opportunities for Women proposes to develop three new IT programs of study: Cyber Security and Networks; Software Development, and Health IT, with a special focus on increasing the number of women in these careers.

Earlier in May-June 2013, Prof. ’s Wilson, An and Chair Manimaran worked on the preparation of the proposal that involved the development of two A.A.S. degree programs. Academic Certificates were built into these A.A.S. Degree programs as an added option.

ETCS Students Participate in Global Innovation Forum

The following three ETCS students participated in the Athgo 5th Global Innovation Forum - May 2013 held in Washington, D.C. at the World Bank: Samir Abdo, Catarina Ribeiro and Fredi Vijay.

The conference brought about 150 young people from around the world. The students were organized into 20 Entrepreneurial teams whose mission was to develop a Social Entrepreneurship concept and Business Plan which they presented at the last day of the conference to a distinguished panel of judges from around the world. Their only charge was to develop a sustainable concept and plan that would impact the world in a positive manner - the essence of Social Entrepreneurship.

The ETCS Division Participated in ECC’s Pride Day

Several Civil Construction Engineering Technology and Architecture students took part in the “Truss Bridge Contest” and displayed the bridges they built. The winning team of 4 students received a Plaque each. Professors Dimopoulos and Gribbin, and ETCS Chair Manimaran led the day’s activities which was well attended and received by ECC community.

Architecture Students Propose Redesign for Jersey Shore Boardwalk

Restore the Shore and Re-Think the Link was the theme of this year’s architecture design studios. After Hurricane Sandy ravaged the state of New Jersey and devastated the coastal towns, local college students across our state responded by working on multiple design proposals that gave ideas on how to rebuild after the disaster. As part of this effort, ECC’s second year architecture students spent the semester re-imagining a new Seaside Heights Boardwalk.

For the design problem, students had to redesign a boardwalk of our time that would not only replace the previous one but propose a new vision of a strong future for its people. ETCS Division’s Architecture Major students completed the project in April 2013, under the advisement/ supervision of Professor Ceu Martinez.
When Essex County College held its forty-fourth annual commencement on May 22, 2013, students in the Engineering Technologies & Computer Sciences Division proudly went to the podium to receive their degrees and certificates. Others received degrees and certificates in December 2012 and August 2012 for a total of 112 students—the highest for the division. Following is a list of those students.

Applied Computer Science
Bryan Cunas

Architectural Technology AAS:
Jorge Burgos, Axel Herrera, Dayana Loachamin, Diana Melendez, Samuel Noel, Yolanda Roman, Marisela Vanegas

Civil Const. Engr. Tech. AAS:
Juan Alvarado, Effiong Baker, Alphares Florestal, Abdoulaye Gamsore, Dujevaun Hill, Geneve Jean-Baptiste, Edner Luberisse, Altin Meka, Fabian Prieto, Ricardo Quinteros, Wuisler St. Fort, Orlando Vargas

Computer Aided Design Tech. Cert:
Ali Alsamna, Richard Cameron, Piotr Demko, Eglis Feliz, Robert Freeman, Axel Herrera, Yolanda Roman, Marisela Vanegas

Computer Information Systems
Bryce Dawkins, Gregory Fleurant, Shondell Norman, Olanji Oladapo, Almonzo Rhoden

Computer Science AS:
Salomao Becker, Yandri Bernal, Carlos Erazo, Marios Georgiou, Kevin Miller, Crispin Owuor, Mehulkumar Patel, Cesar Ramirez, Angel Saguay, Sabine Zida

Electronic Engineering Technology AAS:

Engineering AS:
Yusuf Adome, Jaouad Ait Lahsen, Nii Ajete, Daniel Alvarez, Johan Andrade, Brandon Arias, Jhoselin Avila, Tahir Boughrara, Adil Boujabar, Orion Cabrita, Richard Cameron, Albaro Claros, Diego Cruz-Burbano, Stanley Desilhomme, Christian Enemuo, Jason Gleason, Roberto Guevara, German Hsu, Gladys Huaylla, Sayhat Karca, Christopher Kozak, Roberto Lagomarcino, Clifford Luggestad, Hizkias Mekonnen, Francisco Nunez, Marco Pacheco, Tushar Patel, Jaskaran Singh, Basak Takimci, Cristian Torres, Kevin Torres, Joshua Villalva, Jeremy Wallace, Tsion Yimer

Land Surveying Technology. AAS:
Piotr Demko

Manufacturing Engr. Tech. AAS:
Ali Mahmoud, Manuel Sanchez

Mechanical Engr. Tech. AAS:
Clevon Brown, Glenmore Elliston, Styvelt Fievre, La Danya Friday, Marvin Giron – Arrecis, Ricardo Rodriguez, Samuel Valencia

Technical Studies
Anthony Gannelli, Andrew McGivney, Jacob Saphow, Fletcher Stokley, Sylvan Dazzel

Renewable Energy Tech. Cert:
Amadou Ndiaye, Welvens Senatus

112 ETCS Students Graduate in 2012-2013 Academic Year

In Spring 2013, Juan Alvarado (CET) was awarded the Edward O. Davis Memorial scholarship and internship by the Construction Industry Advancement Program (CIAP) of New Jersey. The amount of his scholarship was $3,500. For his internship experience, Mr. Alvarado worked for the Engineering Division of the City of Morristown for twelve weeks during the summer of 2013.

He assisted civil engineers on several projects involving roadway design and improvements, preparation of engineer’s estimates of time and material cost, and the development of construction standards for public works structures. He prepared maps and plans using AutoCAD and performed field inspections on multiple projects.

Mr. Alvarado said that the experience taught him about time management, problem solving and people management. He was able to greatly broaden his engineering skills. He felt that the experience was extremely beneficial to his career.

CET Student Completes Internship

These students persevered through several semesters of academics combined in many cases with the rigors of full time employment and other responsibilities and their hard work paid off. We extend our congratulations to them and wish them success in their further education and in their careers.
Division Welcomes New Faculty and Staff

The Division was fortunate in the Fall 2013 semester to welcome one new full-time faculty and one staff member—Prof. Robert Leone and Ms. Yesenia Eltantawi.

Prof. Robert Leone

Prof. Robert Leone joins the Division as a full-time instructor of Manufacturing Engineering Technology. In addition to teaching Engineering / Engineering Technology courses, Prof. Leone will oversee the Manufacturing Initiatives as well as the new Aviation Training (A&P Power Plant Mechanic) program initiatives in the Division.

Prof. Leone has experience in both industry and academia. On the academic side, he has been an adjunct instructor of Mechanical Engineering Technology for this division since 2003. In industry, he held a number of positions, including Senior Mechanical Product Engineer at Star Dynamic Corp., Founder and Owner of Intricate (a machining company), and Project Engineer for Picatinny Arsenal.

Prof. Leone earned his M.S. and B.S. degrees in Mechanical Engineering from Fairleigh Dickinson University.

Ms. Yesenia Eltantawi

Ms. Yesenia Eltantawi joins the Division as an Administrative Assistant. She plays a key role in providing the assistance needed so that faculty and staff within the division can perform their roles more effectively. She is the first point a contact for the division.

Ms. Eltantawi comes to us with experience in administration in which she prepared and monitored payroll and expense reports, provided direct customer service, maintained inventory, interacted with suppliers and vendors, and performed general office duties.

Ms. Eltantawi earned her B. A. in Business Administration from Bay Path College in Massachusetts.

The faculty and staff of the CFT are very pleased to welcome Prof. Robert Leone and Ms. Yesenia Eltantawi to the Division and wish them many years of success.

LEED and Solar Energy Training Program

The ETCS division conducted a 12-week LEED and Solar Energy Training program from April 19 to June 28, 2013. The program was aimed at providing unemployed individuals the necessary skills to transition into jobs in the green energy sector. The New Jersey Department of Labor (NJDOL) gave a Grant of up to $4000 per qualifying participant. ETCS Chair Manimaran and Professor Dimopoulos worked together to finalize the project.

On June 28, 2013, the students were led on a field trip to a LEED Certified Building in Elizabeth, as a finale to the program. Prof. Ravi Manimaran, ETCS Division Chair, presented the "Certificate of Completion" to the fourteen participants who successfully completed the training.

The students of the "LEED and Solar Energy Program" completed the installation of the Solar Charging Station as part of the hands-on portion of the 12 weeks Training on Friday, June 21, 2013. The Solar Charging Station installed in the courtyard outside of the CFT building has 2 USB ports and one 110 V AC port capable of charging smart phones, laptops, and other portable devices.