

# Nassau Community College Nexus

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Where Success Starts...And Continues

Winter 2003

## Building Career Pathways ENGINEERING/PHYSICS/TECHNOLOGY AT NASSAU COMMUNITY COLLEGE

What's the first thing that you do when you're ready to build a building? That's right: you lay the foundation. Over the years, many students have successfully laid the foundation of a career in engineering at Nassau Community College.

Engineering is one of the largest professions in the United States today, employing 1.2 million people. But 'engineering' is an umbrella word that encompasses a wide range of occupations. Basically, engineers research theories and principles of science and mathematics to develop economical solutions to technical problems. Their work is the link between scientific discoveries and commercial applications. Types of engineers include architectural, chemical, civil, electrical and mechanical. Engineers design bridges and medical equipment, as well as processes for cleaning up toxic spills and systems for mass transit.

### NASSAU OFFERS MANY ENGINEERING OPTIONS

As part of its continuing effort to develop curriculum to meet the needs of students, this fall NCC introduced two new programs in the area of civil engineering: an associates degree in computer repair technology and a certificate program in construction management, one of the hottest career paths in civil engineering, according to Engineering/Physics/Technology Department Chair Prof. Anthony Cangelosi. The one-year Construction Management program was designed for students who wish to develop the skills necessary to work in construction-related positions as part of a



*Prof. Chee Meng Lee assists students from an electrical engineering technology electronics course with measuring signal levels from a digital communication circuit. (L-R: Louis Guillaume, Jenny Chen, Edgar Garay-Reyes and Prof. Meng.)*

project management team. This certificate program will also benefit current construction workers, many of whom either seek advancement within their present company or wish to start their own contracting businesses. Computer Repair Technology, meanwhile, delves into the 'nuts and bolts' of computers. Students who pursue this degree are looking to develop careers in computer repair, network maintenance and telecommunications.

In addition to these newest offerings, said Prof. Cangelosi, engineering students at the College may concentrate in several other areas. Among them are Engineering Science, Electrical Engineering Technology, Telecommunications Technology, Physics and General Science Studies. A sampling

of individual courses offered also reflects the complexities of the engineering field: Structural Drawing, the Science of Electronics, Calculus and Microcomputer Hardware and Software are but a few of those available. "Because the department offers engineering education at different levels, students have the opportunity to move from one area to another," Prof. Cangelosi noted.

Nassau's Engineering/Physics/Technology alumni have gone on from the College to such four-year institutions as Rensselaer Polytechnic Institute, Columbia University and Cornell University, as well as to Hofstra University and SUNY Stonybrook. In addition to

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## A MESSAGE FROM THE PRESIDENT

### Nassau Community College and Its Impact On Long Island's Economy

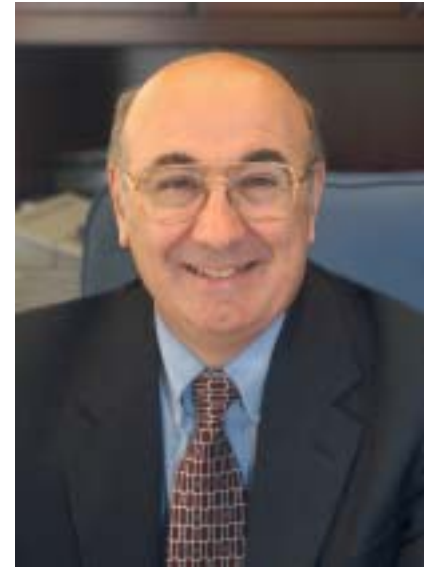
By Dr. Sean A. Fanelli

When people think of Nassau Community College, low cost, small class sizes and a quality education provided by a dedicated faculty all come to mind. However, with over 21,000 students and more than 3,260 faculty and staff, Nassau Community College is also a major contributor to the health of the overall economy of Nassau County.

In the course of pursuing its primary educational and cultural goals, NCC provides Nassau County with a substantial extra dividend of jobs and income. The direct local purchases of the College amounted to \$19 million for the 2002-2003 academic year and the payroll totaled \$119 million. Faculty and staff spent \$62 million in the local economy while the amount spent by students was \$226 million. Direct spending from all three sources amounted to \$307 million.

Since each dollar of spending turns over several times in Nassau County—an effect known as a “multiplier”—this resulted in an induced spending figure of \$196 million. Thus, the total economic impact of Nassau Community College on the County for that period of time was conservatively calculated at \$503 million.

NCC has been cited as one of the best institutions of higher learning in the nation, in terms of the number of degrees offered, the number of graduates who successfully transfer to four-year institutions and the exceptional quality and depth of our faculty. As a major component of the Nassau County economy, the College represents an essential and vital resource for the County's social and employment infrastructure. While providing an excellent education may be the primary mission of the College, as well as a task we take very seriously,



Dr. Sean A. Fanelli

we also recognize that by our very presence we form a significant partnership with all of the students, other citizens, taxpayers and vendors in the county of Nassau.

Our school motto, “Where Success Starts . . . And Continues” speaks not only to the nature of our academic enterprise, but also to the ongoing contribution Nassau Community College makes to the economic stability of the County.

## NCC Names Dr. Eugene Henderson, Jr. Dean of Students



Nassau Community College has named Dr. Eugene Henderson, Jr. Dean of Students. Dr. Henderson began working in his position August 4. “Dr. Henderson brings to the College a wealth of experience in student affairs administration,” said Kenneth Saunders, Vice President of Student Affairs. “As the Dean of Students, he

provides the office with a level of ethics and professionalism that reflects his student-centered philosophy.”

Dr. Henderson comes to NCC with over 20 years of higher education experience. In his most recent position, he was Acting Dean of Students at Fairleigh Dickinson University in Teaneck, New Jersey. Among the other positions Dr. Henderson has held have been Director of the Educational Opportunity Fund Program at Fairleigh Dickinson University; Higher Education

Consultant and Ombudsman for the Michigan Department of Education; and director of several residence halls at Michigan State University.

In addition to his professional service, Dr. Henderson is a member of several associations involving higher education. Among them are: the National Association of Student Personnel Administrators; the National Orientation Directors Association; and the Association of Independent Colleges and Universities in New Jersey.

Dr. Henderson obtained a Doctor of Philosophy degree from the College of Education and a Master of Arts degree from the Department of Administration and Higher Education, both at Michigan State University in East Lansing, Michigan. He acquired a Bachelor of Arts degree from the Department of Social Science at Saginaw Valley State University in Saginaw, Michigan.

Dr. Henderson is excited about working at Nassau. “I love the enthusiasm of all the people I’ve met,” he said. “I feel like Nassau is the Harvard of community colleges.”

# Building Career Pathways

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starting students on the road to further science and mathematics education and an eventual career, classes at Nassau also provide an affordable refresher program for those engineers already in the work force who seek to maintain and improve their skills.

There are several engineering-related clubs and associations at NCC. Among them are the Civil Tech Club, the Gamma Tau engineering society, WISE (Women in Science and Engineering), SWE (Society of Women Engineers), the Concrete Canoe Club and the Superhighway Club (for those with an interest in computers). Each of these clubs has an advisor from the Engineering/Physics/Technology department and each holds various activities each semester.

## ENGINEERING/PHYSICS/TECHNOLOGY REACHES OUT TO THE COMMUNITY

To support members of the Long Island community seeking professional growth, the Engineering/Physics/Technology department offers continuing education Computer Aided Design (known as AutoCAD) courses at beginner and advanced levels on weekends. These courses are taught by a professionally registered civil engineer who has substantial AutoCAD experience.

In another outreach effort, Prof. Cangelosi developed an engineering and technology seminar, which he takes to middle schools and high schools to tell students about careers in



(L - R) Engineering and technology students Sal Cicotto, Gladwin Geevarghese and Alba Talhami receive instruction on the use of a computer-based total surveying station for route-surveying assignment from Prof. Kathleen Gallagher (third from left) outside of Cluster D on the NCC campus.

engineering and ways in which Nassau Community College can help them to succeed in these careers.

Life in the 21<sup>st</sup> century is complex and technology driven. With curiosity, resolve and an excellent education, future generations of engineers—many of whom will begin their higher education at Nassau Community College—will help make that life more manageable and convenient.

## FACULTY/STAFF Highlights

**Dr. Betty Borowsky, Biology**, presented a paper on asthma prevalence in children on Long Island at the National Conference on Asthma in Washington, D.C. in June.

**Thomas Casserly, Associate Director of Financial Aid**, recently gave a presentation at the New York State Counselors Convention entitled “College Financial Aid: What’s New—A Federal and State Update.”

**Dr. Wendy Eisner, Psychology**, has published the articles “Mirrors of Self and World: The Psychology of Visual Art” and “Pathways to the Self: Exploring the Magical Mysteries of the Ordinary.” In addition, she received a 2003 NCC Honors Program Excellence in Teaching award.

**Dr. William Feigelman and Dr. Yih-Jin Young, Sociology**, recently completed a tutorial website and an internet-based research paper for W.W. Norton Publishers. In addition, Dr. Young attended a weeklong workshop on the instructional and research uses of Census 2000 data offered at the

University of Michigan. Dr. Feigelman and **Bernard Gorman, Psychology**, delivered a paper entitled “Some Correlates of Young Adult Mortality” at the 5<sup>th</sup> annual ADD Health Data Users Workshop in Bethesda, MD. Dr. Feigelman also co-wrote an article entitled “Youth Problems Among Adoptees Living in One-Parent Homes: A Comparison With Others From One-Parent Biological Families” for the *American Journal of Orthopsychiatry*.

**Dr. Lyle Hallowell, Sociology**, gave the keynote address, “Articulation and Transfer: Problems and Prospects” at a Minnesota State Colleges and Universities disciplinary workshop. Dr. Hallowell is a member of the American Sociological Association’s Task Force on Articulation of Two- and Four-Year Programs. The task force’s final report was approved by the association’s council after a multi-year study of articulation practices throughout the U.S.

**Prof. Virginia Hromulak, English**, presented a paper entitled “The Romantic Fragment: or the Genesis of Modern Epic” at the 11<sup>th</sup> annual

conference of the North American Society for the Study of Romanticism last summer.

**Dr. Constantine Kallaur, Prof. Emeritus, Foreign Languages**, gave a college-wide lecture on November 19 at Hofstra University. The title of his lecture was “What Russians are Reading Today.” Dr. Kallaur was invited to be part of Hofstra’s semester-long celebration of the 300<sup>th</sup> anniversary of the founding of St. Petersburg, Russia.

**Prof. Ed Mack, Health, Physical Education and Recreation**, recently spoke to the PTA of the Robbins Lane School in the Central Syosset School District about the relationship between parents and children in regard to athletics.

**Peter Schweitzer, Human Resources**, is the current president of the NYC chapter of the Employee Assistance Professionals Association (EAPA). This fall, he received the Teamster Center Services Fund Excellence Award for his expertise and dedication in the EAP field.

## The Firehouse Art Gallery at Nassau Community College Presents:

### Open Competition: Light Effects

January 20 – February 12

*This national juried competition, which was open to the public for submissions, includes painting, sculpture, graphic design, photography and mixed media work.*

### Cut, Bite and Stroke: Techniques in Printmaking

March 2 – March 30

*This exhibition explores contemporary printmaking techniques by such artists as Willie Cole, Frances Jetter, Sandy Gellis, and Leslie Dill, among others.*

*Gallery hours: Mon., Tues. & Wed. 11 AM to 4 PM, Thurs. 11 AM to 7 PM, Sat. 12 PM to 4 PM*

*For more information, call (516) 572-7165*



*Untitled - 1983 - Linocut by Frances Jetter*

# Nexus

## NASSAU COMMUNITY COLLEGE

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