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Engineering & Computer Technology

NASSAU COMMUNITY COLLEGE

* The federal government requires colleges and universities to provide information on rates of employment and loan repayment for specific types of programs. To see this information, visit ncc.edu and click on the link for "Programs of Study." Learn more about the certificate program you wish to pursue.

All programs are subject to change. Please refer to ncc.edu for updates.

July, 2016

WELCOME TO NCC!

Nassau Community College is the place where your most ambitious plans can begin to take shape. Not sure yet what those plans are? Don't worry—we'll give you all the support you need to figure them out. NCC does that for more than 20,000 day, evening, weekend and online students every year.

Nassau offers AA (Associate in Arts) and AS (Associate in Science) degrees for students interested in transferring to four-year colleges, as well as AAS (Associate in Applied Science) degrees and one-year certificate programs for those who wish to learn a marketable skill and enter the workforce right after college.

NCC

gives you the power to achieve your goals - whether that means preparing you for a quality career or transferring to a four-year school.

ENGINEERING & COMPUTER TECHNOLOGY PROGRAMS OF STUDY

Studying Engineering and Technologies allows you to learn to use science and math to solve practical problems, and to help create everything from assembly lines and oil-drilling techniques to spacecraft and MP3 players. At the associate degree level, these programs provide solid preparation for many types of engineering degrees at the bachelor's level. If you wish to enter the workforce with a two-year degree, our A.A.S. programs also equip you with the skills you need to find immediate employment in your field of study. Below are our program descriptions.

CIVIL ENGINEERING TECHNOLOGY (AAS)

The Civil Engineering Technology program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET). This is an important distinction for students who plan to transfer to a four-year college or seek professional licensing in the future. Although many graduates enter industry after graduation, others elect to transfer to bachelor's programs in engineering technology, architecture or construction management.

COMPUTER SCIENCE (AS)

This flexible degree program prepares students for transfer to four-year institutions to study computer science.

COMPUTER INFORMATION SYSTEMS - MICROCOMPUTER (CERTIFICATE) *

This certificate program has been designed to provide computer skills that meet students' needs to adapt and succeed in the study of new and emerging computer technologies. It includes a wide range of required and elective courses that provide training for a variety of computer-related careers. Courses provide marketable skills for undergraduates and an upgrade in computer skills for graduates who desire a career change.

COMPUTER REPAIR TECHNOLOGY (AAS)

The curriculum in this program provides the knowledge and skills necessary to install, operate, maintain and repair microcomputer hardware and systems, as well as those to furnish support services to system users. The program will develop the necessary foundation in electronics and computer programming related to computer systems and networking.

CONSTRUCTION MANAGEMENT (CERTIFICATE) *

The coursework in this program prepares students to enter the field as assistant to the project superintendent or manager, estimator, scheduler or inspector. Those individuals already in the field will gain skills and knowledge to further their careers at the safety management, site superintendent and project management levels.

ELECTRICAL ENGINEERING TECHNOLOGY (AAS)

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC of ABET). Upon graduation, students can enter the workplace as electronic technicians, or transfer to a four-year institution to work towards a Bachelor of Engineering Technology degree.

ENGINEERING SCIENCE (AS)

The "Curriculum Guideline Uniform Program," developed by The Association of Engineering Colleges of New York State and the State University of New York Two-Year Engineering Science Association, details the curriculum content for the courses found in NCC's Engineering Science program. Students prepared under these guidelines may transfer with junior-year status to a four-year college or university upon completion of their courses at Nassau.

INFORMATION TECHNOLOGY (AAS)

The degree program in Information Technology includes a foundation in general education courses, plus the accounting and mathematics courses necessary to augment the extensive computer courses. Then, by judicious use of electives, the student can tailor the degree program to meet industry requirements for a particular area of Computer Information Systems. Topics included for study are internet and hypermedia applications, relational database management and development, and Visual Basic programming.

WHETHER
YOU
ARE A RECENT
HIGH SCHOOL
GRADUATE
OR INTERESTED
IN CHANGING
CAREERS
COME SEE WHAT
NCC
HAS TO OFFER

