

# WIDE RANGE OF TRANSFER AND CAREER PROGRAMS

At ECC, students can earn Associate in Arts (A.A.) and Associate in Science (A.S.) degrees for transfer to 4-year colleges or universities, or they can pursue Associate in Applied Science (A.A.S.) degrees and certificates to prepare for immediate employment. Some A.A.S. programs may also transfer; academic advisors and transfer services in Student Development and Counseling can provide additional information about the transfer process.



Are you passionate about a long term career in Biological Sciences, Health-care, Biotechnologies, or Science Education? If yes, Essex County College is the place for you. We offer high quality education with hands-on laboratory experience in:

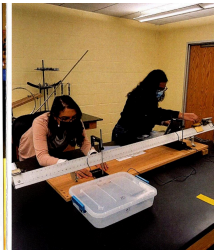
## Associate in Science in BIOLOGY PRE-MEDICINE

Curriculum code: 0601  
60 Credits



## Associate in Science in CHEMISTRY

Curriculum code: 0602  
60 Credits



## Associate in Science in PHYSICS

Curriculum code: 0608  
60 Credits



Transfer/articulation agreements exist with many institutions; these ensure that all approved courses students take at ECC will transfer to the 4-year colleges or universities of their choice. Special joint and/or dual admission agreements have been implemented through which freshmen at ECC are simultaneously admitted to Rutgers University, New Jersey Institute of Technology, New Jersey City University, Kean University, Bloomfield College, or Thomas Edison State University. For further information see Degree Programs.

**COMING SOON!**  
**FALL 2025**

# A.A.S. Degree in NURSING

## THE WEST ESSEX CAMPUS

**APPLICATION OPENS**

**JANUARY**  
**15**  
**2025**

**MARCH**  
**31**  
**2025**

**CLASSES START SEPTEMBER 2025**  
**EVENING / WEEKEND**  
**IN PERSON CLASSES AVAILABLE**

**Division of Nursing & Health Sciences via email at [dnhs@essex.edu](mailto:dnhs@essex.edu)**

**Division of Nursing & Health Sciences**  
**West Essex Campus**  
 730 Bloomfield Ave., West Caldwell, NJ 07066

[www.essex.edu](http://www.essex.edu)

Scan QR for Application

### NEW Degree Program

#### A.S. Computer Science: Data Science Option

Coming this Fall 2024!

**Earn an A.S. in Computer Science: Data Science Option** and either transfer to earn a B.S. degree or enter the workforce.

Data Science is the study of large amounts of data using mathematics, programming, artificial intelligence and data visualization skills to draw conclusions about data.

If you like mathematics, programming and visually telling a story through data, then this major is a good choice for you. According to the Bureau of Labor Statistics (bls.gov), the **Data Scientist** profession is one of the fastest growing jobs, and the average annual salary in New Jersey is \$134,140.

#### Data Science Program

Earn an A.S. in Computer Science: Data Science Option and either transfer to earn a B.S. degree or enter the workforce.

**What is Data Science?**  
 Data Science is the study of large amounts of data using mathematics, programming, artificial intelligence and data visualization skills to draw conclusions about data. According to the Bureau of Labor Statistics (bls.gov), the Data Scientist profession is one of the fastest growing jobs, and the average annual salary in New Jersey is \$134,140.

**What does a Data Scientist do?**  
 Data Scientists use a variety of technical skills to clean, organize, analyze and visualize data for organizations. They build complex quantitative algorithms to organize and synthesize large amounts of information that is used to draw insights into the data to plan and strategize in the organization. These technical skills coupled with effective communication skills are used to share data insights to various stakeholders making data scientists critical to a wide variety of organizations.

**Should I major in the Computer Science: Data Science Option A.S. Program?**  
 If you like mathematics, programming and visually telling a story through data, then this major is a good choice for you. Students in this program will develop both technical skills and communications skills. The program can be completed in two years depending on your math placement.

**Upon completion of this program, graduates will be able to:**

- Evaluate the role of data scientists and data analysts.
- Identify and apply commonly used data collection methods.
- Describe and apply common data cleaning methods.
- Learn and apply programming languages to manipulate data.
- Explain the role of the tools used for performing data analysis.
- Apply artificial intelligence techniques to real-world problems.
- Describe how data visualization helps in data representations.
- Utilize data visualization tools to display data.

## ANNUAL PUBLIC NOTICE OF CAREER AND TECHNICAL EDUCATION OPPORTUNITIES

During the academic year, Essex County College offers courses that will lead to degrees or certificates in Career and Technical Education (CTE) programs; professional development as described in the College Catalog. Essex County College's admission and criteria for selection in career and technical education programs do not restrict any race, color, sex,

national minority origin or student with a disability from participation in the Essex County College career programs. Applicants are required to meet the college's general admission criteria as well as the individual program's admission criteria. Applicants must contact the program chairperson/coordinator to determine eligibility and qualifications for a specific program. ECC will take steps to assure that the lack of English language skills will not be a barrier to admission and participation in vocational education programs.

**ANUNCIO PÚBLICO ANUAL DE OPORTUNIDADES  
DE EDUCACIÓN PROFESIONAL Y TÉCNICA**

Durante el año académico, Essex County College ofrece cursos que conducirán a títulos ó certificados en programas de Educación Profesional y Técnica (CTE); desarrollo profesional como se describe en el Catálogo universitario. La admisión de Essex County College y los criterios para la selección en los programas de educación profesional y técnica no restringen la participación en los programas de carreras de Essex County College, color, sexo, origen de minorías nacionales ó estudiantes con discapacidades en los programas de carreras de Essex County College. Los solicitantes deben cumplir con los criterios generales de admisión de la universidad, así como con los criterios de admisión del programa individual. Los solicitantes deben comunicarse con el presidente/coordinador del programa para determinar la elegibilidad y las calificaciones para un programa específico. ECC tomará medidas para asegurar que la falta de habilidades en el idioma inglés no será una barrera para la admisión y la participación en programas de educación vocacional.