GATEWAY 2013; a program that offers college-level credit and enrichment courses for academically gifted students who have completed grades 7, 8, or 9.

When: July 8 – July 31, 2013
Where: Middlesex County College, Edison, NJ
Time: Classes meet Monday-Thursday - times vary by course
Contact: Kimberlee Hooper, Office of School Relations @732-906-2554 or via email: khooper@middlesexcc.edu

Courses to be offered include (select one):
For College credit:
- **CSC 133: Introduction to Computer Science Using C++ (4 credits)**
  (Classes meet from 9am – 3pm)
- **MAT 129: Precalculus (4 credits)**
  (Classes meet from 9am-3pm)
- **SCI 206: Introduction to Forensic Science (3 credits)**
  (Classes meet from 10am - 2:10pm)

For Academic Enrichment (no college credit awarded):
- **BIO 010: Basic Biology (4 credits equivalent)**
  (Classes meet from 9am – 3:10pm)
- **CHM 010: Basic Chemistry (4 credit equivalent)**
  (Classes meet from 9am – 3:30pm)
- **MAT 013: Algebra I (4 credit equivalent)**
  (Classes meet from 9am-12:30pm)
- **MAT 014: Algebra II (4 credit equivalent) 9am-12:30pm**
  (Classes meet from 9am-12:30pm)
- **MAT 020: Geometry (4 credit equivalent) 9am-12:30pm**
  (Classes meet from 9am-12:30pm)

Eligibility requirements:
1. Student must have achieved a combined score of 900 on the Math and Verbal SATs or equivalent on other standardized tests.
2. Student must have completed 7th, 8th, or 9th grades by June 2013
3. Written recommendation and required signature from a school counselor, teacher, or school principal.
4. Each student, accompanied by a parent, must complete an interview with a GATEWAY coordinator to discuss participation in the program. (Parents will be contacted via email to schedule interview appointment.)
   *Students who fail to attend their scheduled interview will not be considered for the program.*

**Students will pay full tuition and fees for summer courses. Tuition increases are anticipated for Summer 2013 and will not be announced until June. Costs include tuition and fees for **in-county residents only**; books must be purchased separately. **MCC does not provide transportation for GATEWAY students. Payment invoices will be sent after successful completion of interview and enrollment into the course. Payment must be made before the start of the course. Please do not send payment with your application. If you decide not to participate in GATEWAY, you must contact the Office of School Relations to cancel your application. Courses with low enrollment are subject to cancellation.**
College credit courses:

CSC133: Introduction to Computer Science Using C++: This course is an introduction to programming and problem solving using an object-oriented programming language C++. Algorithm development and basic problem solving techniques are introduced. Fundamental topics of computer programming including sequence, selection, repetition, input/output, functions, parameter passing, scope, lifetime, and arrays are discussed in detail. **Algebra I is a requirement for this course.** (4 credits)

SCI 206: Introduction to Forensic Science: Introduces the science of forensics in which basic scientific principles will be applied to the methods used to investigate and solve crimes. The course focuses on principles and methods utilized in the traditional science of biology, chemistry and physics. The laboratory component covers many topics of evidence that require chemical and physical analysis, using microscopy, Gas Chromatography, High Pressure Liquid Chromatography and Atomic Absorption Spectrophotometry as well as drug and toxicological analysis. Laboratory techniques used in blood and DNA analysis will also be examined. (3 credits) **Algebra I is a requirement for this course.** (3 credits)

MAT 129: Precalculus: Emphasis is on those topics from algebra and trigonometry that best prepare students for the first course in calculus. The areas of study are algebraic and transcendental functions and their graphs. Of special interest are polynomials, rational, exponential, logarithmic, and trigonometric functions. Additional topics include vectors, polar coordinate systems, matrices, and determinants. TI 84 or TI 83 plus calculator required. (4 credits)

Academic enrichment courses:

BIO 010: Basic Biology: An introduction equivalent to one year of high school biology this course offers the basic principles and terminology of biological sciences. **Algebra I is a requirement for the course.** (4 credit equivalent)

CHM 010: Basic Chemistry: An introduction to the fundamental principles of chemical structure and reactions. This course includes applications in related laboratory work. **Algebra I is a requirement for this course.** (4 credit equivalent)

MAT 013: Algebra I: Among the elementary algebra topics covered are integral and irrational numbers, techniques of graphing and solving linear equations, polynomials and their operations, special products and factoring, quadratic equations and methods of solutions. (4 credit equivalent)

MAT 014: Algebra II: Topics include: a review of elementary algebra, the coordinate plane and functions, linear equations and inequalities, properties of lines and rational expressions and quadratic equations. **A graphing calculator is required. Algebra I is a requirement.** (4 credit equivalent)

MAT 020: Geometry: A traditional high school geometry course including an understanding of Euclidian geometry with topics including basic proofs and Pythagorean Theorem. **Algebra I is a requirement for this course.** (4 credit equivalent)

For more information call 732-906-2509 or email Khooper@middlesexcc.edu.

To register complete the attached registration form and mail to Middlesex County College, Office of School Relations, 2600 Woodbridge Ave, Edison, NJ 08818 OR Fax to (732) 906-7709.

**Application deadline is June 17, 2013**

Late applications will **NOT** be accepted.
GATEWAY PROGRAM APPLICATION

This form is to be completed by students wishing to enroll in the Gateway Program at Middlesex County College in the Summer 2013 semester. Please include a valid email address as you will be contacted via email to schedule an interview. Application deadline: June 17, 2013

SECTION 1 - GENERAL DATA - STUDENT INFORMATION

Name ________________________________ Social Security Number ________________________________

Street Address ________________________________________________________________ Email Address – DO NOT LEAVE BLANK ________________________________

City ___________________________ State ___________________________

Telephone Number _____________________________ Birth Date _____________________________

Name of School _____________________________ Present Gr. level _____________________________ SAT score _____________________________

Middlesex County College course for which you are currently registering __________________________________________________________

I, __________________________, hereby grant approval for Middlesex County College to release grade and other information pertaining to my participation in the GATEway program to my parent(s) or guardian(s):

Signature: _____________________________ Date: ______________

SECTION 2 - PARENTAL APPROVAL - to be completed by parent or guardian

I hereby grant approval for _____________________________ to enroll at Middlesex County College for the above course.

Student’s Name ________________________________

Parent’s/Guardian’s Name (please print) ________________________________ Signature _____________________________ Date ______________

**Parents/Guardians Please Note: Students will be taking classes on a college campus, in an unsupervised and open environment. We recommend door to door pick up and drop off for all GATEway students. The College does not provide transportation. Books are required for the first day of class and can be purchased at the College Bookstore on campus or online at www.bluecoltbookstore.com.**

SECTION 3 – RECOMMENDATION OF SCHOOL COUNSELOR, TEACHER, or PRINCIPAL (To be completed and signed by SCHOOL COUNSELOR, TEACHER, OR PRINCIPAL) If you believe the above applicant is an academically gifted student and would benefit from participating in this college level program, please sign below and attach a written recommendation.

Name: ________________________________

Signature/Title _____________________________ Date ______________

Middlesex County College Administrator Approval ________________________________

Optional Information for student to complete: □ Male □ Female

Racial/Ethnic Group: This information will be used only for the preparation of state and federal reports and for special interest and activity mailings. This information will not have any effect on the admissions decision. □ Caucasian □ Hispanic of any race □ Black or African American □ American Indian or Alaska Native □ Asian □ Native Hawaiian or other Pacific Islander □ Two or more races