



2010 NSF Summer Program at Essex County College for High School Students

I. Description

With a grant from the National Science Foundation (NSF) and the support of the High School Initiative Program at Essex County College (ECC), we are pleased to offer this summer program to high school students who plan on majoring in the areas of Science, Technology, Engineering, and Mathematics (STEM) in ECC. The NSF Summer Program gives eligible students the opportunity to take a college-level mathematics course in addition to an introductory engineering course, both tuition- and textbook-free. These courses offer a great way for motivated high school students to get acclimated to the college experience and earn college credits while doing so.

II. Why Apply?

- **Free tuition** to earn up to 7 credit hours at ECC
- **Free textbooks**
- ECC's engineering program has dual-admission agreement with NJIT
- Free tuition for an Associate Degree (A.S.) at ECC if you are an NJ STARS student
- Up to \$7000 per year tuition scholarship for a Bachelor's Degree (B.S.) at any public university (NJIT, Rutgers, etc.) if you are an NJ STARS II student

III. Eligibility

To be eligible for the NSF Summer Program, the following requirements should be met:

- Must be U.S. citizen or permanent resident
- Must be a high school junior, or graduating senior
- Must plan on majoring in a STEM discipline in ECC
- Must take and score well enough on a math placement exam

IV. Details

Tuition and textbooks will be provided free of charge to all participants selected for the program. Students who are accepted into the program take a math course, and have the option of taking an engineering course for which they have satisfied the prerequisites for.

For math, the student's course will be based on their placement exam score. Program participants may qualify to take either MTH 100(Introductory College Mathematics) or MTH 119 (Precalculus I). The two choices of engineering course are ENR 103 (Engineering Graphics), and ENR 105 (Applied Computer Aided Design).

Course descriptions can be found at the following web sites:

<http://www.essex.edu/catalog/courses/mth.html>

<http://www.essex.edu/catalog/courses/enr.html>

V. Schedule

Students will be immersed in a regular college-classroom setting at ECC's Main Campus in Newark, alongside other

ECC students. Students pick their courses from the following course schedule:

Summer I Session* (May 3, 2010 – Jun 21, 2010)	Time	Days
MTH 100	8:30 AM – 10:20 AM	Mon-Thu
MTH 100	10:40 AM – 12:30 PM	Mon-Thu
MTH 100	1:00 PM – 2:50 PM	Mon-Thu
MTH 100	5:30 PM – 7:20 PM	Mon-Thu
MTH 119	8:30 AM – 10:20 AM	Mon-Thu
MTH 119	5:30 PM – 7:20 PM	Mon-Thu
ENR 103	1:00 PM – 2:20 PM	Mon-Thu
ENR 105	10:40 AM – 12:00 PM	Mon-Thu

* Summer I session has expired.

Summer II Session (Jul 12, 2010 – Aug 19, 2010)	Time	Days
MTH 100	8:30 AM – 10:50 AM	Mon-Thu
MTH 100	11:15 AM – 1:35 PM	Mon-Thu
MTH 100	5:30 PM – 7:50 PM	Mon-Thu
MTH 119	8:30 AM – 10:50 AM	Mon-Thu

VI. Placement Exams

Placement exams will be administered at ECC Main Campus in the Center for Technology building (Room T206) from May 17 through May 21. Please pick a day and show up any time between 1:30pm and 2:30pm. You will have up to 1 hour 20 minutes to complete the exam. Please email Dr. Gao at mgao@essex.edu at least one day in advance before you come for placement test. If you have SAT scores, please bring them with you to the placement exam.

VII. Application

If you meet the eligibility requirements and want to apply for this Summer Program, then please fill out the "High School Initiative & Pre-Freshman Programs" application form & "Application for 2010 NSF Summer Program at Essex County College for High School Students". Completed forms can be brought with you to the placement exam, or sent to:

Dr. Meimei Gao
MESA Coordinator
Division of Engineering Technology and
Computer Science
Essex County College
303 University Avenue
Newark NJ 07102
Phone: (973) 877-4409
Fax: (973) 877-4407
Email: mgao@essex.edu