

TO BECOME A PARTNER:

Secondary schools wishing to participate in *Options for Advanced Academic Achievement* should contact:

Dr. Howard Kimmel
Assistant VP, Center for Pre-college Programs
New Jersey Institute of Technology
University Heights
Newark, NJ 07102
Phone (973) 596-6445
E-mail: kimmel@adm.njit.edu

Memorandum of Understanding

NJIT will enter into a memorandum of understanding (MOU) with the participating high schools. The agreement will detail various aspects including logistics of course registration and grading, course syllabi, certification process of teachers, etc.

Grading: The grading policies are the same as for all undergraduate college courses taught at NJIT. It is expected that high schools will map these grades into their own grading scheme and weight the grades in the same way as Advanced Placement (AP) or other college level courses. The NJIT college credit courses will also be treated as satisfying the same Carnegie unit value for equivalent high school courses and apply toward the student's graduation requirements.



Options for Advanced Academic Achievement (OA³)

NJIT's Secondary School Partnership Program

College courses for college credit in partnership with New Jersey Institute of Technology



Center for Pre-College Programs
New Jersey Institute of Technology
University Heights
Newark, NJ 07102
Phone (973) 596-6445

OVERVIEW

The purpose of OA3 is to provide qualified high school students from partnered schools with the opportunity to take college credit courses at their school during the regular academic year, on the NJIT campus through the Pre-College Academy and, for certain students, to become involved in a meaningful research experience. These courses will be taught by teachers certified by NJIT as an adjunct faculty member in the related NJIT department. Through on-site programs, “certified” high school teachers will instruct college credit course(s) as part of their regular load at their secondary school.

NJIT offers flexibility in program delivery. Qualified instructors can teach on-site at one or several of your locations in a traditional face-to-face classroom setting. We also have an extensive array of quality on-line, interactive courses. A third mode of delivery is called ‘hybrid learning’ in which the class meets in a traditional setting and online. One delivery option includes linking locations via ITV (interactive television- live video conferencing). Of course, since NJIT is quite successful at using technology, the University can provide a combination of any number of options.

Junior and Senior high school students with an overall average of “B” or better, including course prerequisites, will be permitted to enroll in college credit courses.

TEACHER CERTIFICATION

- ✦ Candidates must have a MS/MA degree in a related area to the college course they will be teaching, or a BS degree with significant experience.
- ✦ Teachers must be currently teaching or have taught AP or equivalent classes in related areas for at least two years.
- ✦ Candidates must provide NJIT with a copy of a current resume, a letter of recommendation from the secondary school principal, and a portfolio of work, including exams, student performance and sample lesson plans in related courses.
- ✦ The chairperson or designee of the NJIT academic department offering the course then reviews these materials.
- ✦ Teachers will take part in a summer workshop for selected courses. These workshops will cover both content area and pedagogy, and will be taught by regular NJIT faculty. Secondary school teachers are paid a stipend up on completion of the certification workshop.

ON-SITE COURSES

The number and level of college credit courses offered depends on the academic preparation of the students, the availability of qualified faculty at the secondary school, and access to specialized equipment and facilities (for example, computers and laboratories). The course syllabus, textbook, requirements, and credit value of each course is the same as on the NJIT campus. College credits earned through this program will be shown on an NJIT transcript. College credits may be applied toward an undergraduate degree at NJIT and other colleges or universities of your choice as per their policies. **Students should consult the universities they plan to attend to determine the applicability of specific courses to their programs of study.**

Courses that are available for participating secondary schools include (course descriptions are available at www.njit.edu):

Calculus I (MATH 111—4 credits)

Calculus II (MATH112—4 credits)

English: Writing, Speaking, Thinking (HUM 101—3 credits)

Fundamentals of Engineering Design (FED 101—2 credits)

General Chemistry I (CHEM 125—3 credits)

General Chemistry II (CHEM 126—3 credits)

Industrial Organization & Management (MGMT 190—3 credits)

Introduction to Computer Science (CS 113—3 credits)

Introduction to Information Technology (IT 101—3 credits)

Macroeconomics (ECON 266—3 credits)

Physics I & Lab (PHYS 111/111A—4 credits)

Physics II & Lab (PHYS121/121A—4 credits)

Other courses are possible if a teacher is available with appropriate credentials for teaching the subject and the course is offered by NJIT.

TUITION & FEES

Students enrolled in NJIT college credit courses at their site pay reduced undergraduate tuition and fees. Tuition is \$115 per credit. Payment may be made entirely by the school district, entirely by the student’s family, or through some shared arrangement. All registration and fees will be processed through the high school.