

TO BECOME A PARTNER

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

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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 and certification process of teachers.

Grading: The grading policies are the same as they are 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 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 applied toward the student's graduation requirements.



Options for Advanced Academic Achievement

NJIT's Dual Enrollment 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
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NEWARK, N.J. 07102
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Inspiring Young Minds for College Access and Success in Science, Technology, Engineering and Mathematics (STEM)

OVERVIEW

The Options for Advanced Academic Achievement program provides an opportunity for qualified high school students from partner schools to earn college-credit courses at their school during the academic year. These courses are taught by high school teachers who have been certified by NJIT as adjunct faculty members in the related NJIT departments. They teach college-credit courses as part of their regular responsibilities at their school.

NJIT offers flexibility in program delivery. Qualified instructors can teach on site at one or several locations in a traditional face-to-face classroom setting. Other nontraditional modes of delivery will be considered.

Junior and senior high school students with an overall average of "B" or better, which includes course prerequisites, are eligible to enroll in these college-credit courses.

TEACHER CERTIFICATION

To teach in the Options for Advanced Academic Achievement program, candidates must:

- have an M.S./M.A. degree in an area related to the college course they will be teaching, or a B.S. degree with significant experience;
- be currently teaching or have taught Advanced Placement (AP) or equivalent classes in related areas for at least two years; and
- 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 will review these materials.



COLLEGE CREDIT 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 high school, and access to specialized equipment and facilities (for example, computers and laboratories). The course syllabus, textbook, requirements and credit value are the same as those on the NJIT campus. College credits earned through this program are listed on an NJIT transcript and may be applied toward an undergraduate degree at NJIT and other colleges or universities as per their policies. **Students should consult the universities they plan to attend to determine the applicability of specific courses to their program(s) of study.**

Courses that are available for participating high schools include but are not limited to:

Calculus I - (MATH 111 - 4 credits)

Calculus II - (MATH112 - 4 credits)

Engineering Graphics and Introduction to CAD - (MET 103 - 2 credits)

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

Fundamentals of Engineering Design - (FED 101 - 2 credits)

General Chemistry I & Lab - (CHEM 125/125A - 4 credits)

General Chemistry II & Lab - (CHEM 126/126A - 4 credits)

Industrial Organization & Management - (MGMT 190 - 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)

Roadmap to Computing - (CS 100 - 3 credits)

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

TUITION

Students enrolled in NJIT college-credit courses at their high school pay reduced undergraduate tuition. Tuition is \$150 per credit. All tuition payments are processed through the high school.

An alternative pathway for students to earn college credit is by taking courses on the NJIT campus during the summer through the **Academy College Courses** program. For more information, please visit njit.edu/precollege.

