



Science and Technology Magnet High School of Southeastern Connecticut

College Credit Option Jumpstart Your Future Career!

Dual enrollment programs are classes taken in high school that count as college credits. Research shows participation in these programs leads to a greater likelihood of completing a college degree. A student who successfully completes 12 or more college credits in high school has completed the equivalent of one full college semester. This gives the students a huge head start, and also saves them thousands of dollars.

Here at Science and Technology Magnet High School of Southeastern Connecticut (STMHS) and New London High School (NLHS) there are several academic options that provide students with the opportunity to audit college courses and/or receive college credits:

- College Career Pathways (Three Rivers Community College)
- Mitchell College
- Connecticut College (New London Scholar Program)
- ECE English (University of Connecticut)
- Coast Guard Academy
- Advanced Placement (AP) Courses
- Project Lead the Way

Enrollment in College Credit Options is limited by the following criteria:

- Teacher/counselor recommendation
- Ability to fit into student's academic schedule
- Career interest
- Prior academic performance

Programs listed with an asterisk are open to students enrolled in STMHS or NLHS. For further information contact the New London High School Guidance Staff at 860.437.6425 and for Science and Technology Magnet High School of Southeastern Connecticut students contact Michelle Mercado at 860.437.6431.

College Career Pathways (Three Rivers Community College) *

This program starts at no charge in the 10th grade and culminates in an Associate or Bachelors degree. A student may earn up to 15 college credits for free, saving thousands. The student can choose from the following pathways: Business Administration, Environmental Science, and Hospitality Management. Each path has the same three core classes.

- * Public Speaking (3 credits) - Assessed thru the STMHS English Department

- * Physics and Mechanics A & B (4 credits)

- * Algebra II A & B (3 credits)

The last course separates the 3 career pathways.

Business Administration - Marketing and DECA A&B (3 credits)

Environmental Science - Environmental Science (3 credits)

Hospitality Management- Culinary I & II, A & B (4 credits)

Mitchell College

Mitchell College offers a full academic year of chemistry with lab equivalent to eight college credits. This course is taught by a Mitchell College professor at the Science and Technology Magnet High School. Students enrolled in this course will register as Mitchell college students ***there is no charge for the college credits.***

Mitchell College also offers an Environmental Science course during the spring semester. Students again register as a Mitchell college students and receive three credits in a course entitled ES199 (environmental science elective).

New this spring to STMHS is a course called Tropical Ecology. This semester long course will be offered only to selected STMHS students. The course will be taught by a Mitchell College professor during after school hours. This is a three credit course with an option to travel to Bermuda in the spring for an additional two credits. *(Students will be responsible for the cost of this trip.)

Connecticut College (New London Scholar Program) *

Two nominated high school seniors can enroll at no cost in a 100 level, four credit course at Connecticut College. This allows them to actually experience a college class in a college classroom. The 100 level courses are open to them depending on space availability and the permission of the instructor. If a student has advanced knowledge or training, we can consider placing them in a 200 level course. The college will do its best to fit the class into your child's extracurricular activities and high school life.

ECE English (University of Connecticut) *

University of Connecticut Early College Experience (ECE) provides academically motivated students the opportunity to make university courses while still in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head start on a college degree.

ECE instructors, who are certified as adjunct professors by UConn faculty, create a classroom environment fostering independent learning, creativity, and critical thinking- all pivotal for success in college. STMHS currently offers one ECE course, English IV (01400). To support rigorous learning University of Connecticut library resources are also available to students.

ECE students must successfully complete the course with a grade of “C” or better in order to receive university credit. University credits are highly transferable to other universities and colleges.

Coast Guard Academy *

The U.S. Coast Guard allows students from Science Technology Magnet School to audit classes. The classes the students are allowed to audit require the STMHS director’s permission. The students are allowed to enroll in classes as if they are a part of the Coast Guard Academy. There will be no college credit received for the time at the Academy, but the academic experience is priceless. Participating students may also receive high school credits with authorization of the director. This is an audit course only.

Advanced Placement (AP) Courses *

Advanced Placement (AP) classes are a great way for students to challenge themselves academically and receive college credits in high school. Students who take these classes and do well show a much higher success rate in college. The AP program offers 30 courses and tests covering over 22 different subject matters, truly offering something for everyone. AP courses are offered at STMHS, through virtual online opportunities or in an independent study. In order to receive college credit for the course the student must receive three or higher out of a possible five on the AP exam. The AP exam is the same test given to all students throughout the country who are enrolled in that AP course. Research shows that students who take AP classes do better in college regardless of their score on the AP exam. A student who passes four AP exams has just successfully completed a semester of college in high school, so long as the school they are going to accepts AP credits. Over 90 percent of colleges and universities accept AP credits, and it is easy to find out if your child’s college will accept the credits.

Skills gained from AP courses:

- Get a head start on college-level work.
- Improve writing skills and sharpen problem-solving techniques.
- Develop the study habits necessary for tackling rigorous course work.

*All information from <http://www.collegeboard.com> *

Project Lead the Way

STMHS students may take certified Project Lead the Way courses from the following areas:

Introduction to Engineering Design- Using computer modeling software, students learn the process of product design. They solve problems as they develop, create, and analyze product models.

Principle of Engineering- Students explore technology systems and manufacturing processes to find out how math, science, and technology help people.

Digital Electronics- Students use computer simulations to learn about the logic of electronics as they design, test and actually construct circuits and devices.

Biotechnical Engineering- Students apply biological and engineering concepts related to biomechanics, genetic engineering, and forensics.

Computer Integrated Manufacturing- Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs with modeling software and producing models of their designs.

Civil Engineering and Architecture- Teams of students collaborate on the development of community based building projects and conceptual design to project presentations.

Engineering Design & Development- Teams of students, guided by community mentors, work together to research, design, and construct a solution to an engineering problem.

Science Technology Magnet School is a certified PLTW school with an affiliation with the University of New Haven. If a student receives a grade of 85 or above in the class and above a 70 on the final online exam he/she will receive 3 college credits towards the University of New Haven. Presently the college requires a payment of \$200 per course taken. These college credits can be transferred to many colleges and universities throughout the country.