

Career and Technical Education

The high school academies offer advanced technical and specialized elective courses for students interested in pursuing careers in communications and the arts (Fairfax and West Potomac), international studies and business (Edison and Marshall), engineering and scientific technology (Chantilly, Edison, and Marshall), or health and human services (Chantilly, Falls Church, and West Potomac). In addition to academic career exploration, these elective course offerings for juniors and seniors provide opportunities for job shadowing, mentoring, and internships with local businesses.

A list of courses in FCPS academies is available on the FCPS website at <http://www.fcps.edu/DIS/OCTE/index.htm>.

Dual Enrollment

Dual enrollment is an emerging program in Fairfax County Public Schools. A few select schools offer college-level courses primarily in conjunction with Northern Virginia Community College.



Pupil Placement

Pupil Placement for the IB or AP programs is on a space-available basis. Students may request pupil placement at the nearest AP or IB school to their home or base school; students interested in pupil placement should contact the school to which they would like to apply. Bus transportation is not provided for students who are pupil placed.

For more information about pupil placement for academic purposes see www.fcps.edu/ss/student-transfer.

ADVANCED ACADEMIC PROGRAMS

FAIRFAX COUNTY PUBLIC SCHOOLS

Advanced Academic Programs

Alan Leis Instructional Center
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HIGH SCHOOL



Advanced Placement

The Advanced Placement (AP) program provides rigorous academic college preparatory coursework in the major subject fields.

Courses are offered in English, social studies, science, foreign language, math and fine arts. AP courses are open to highly motivated students, primarily in 11th and 12th grade; a few courses are open to underclassmen as well. Fairfax County Public Schools recognizes students who take a minimum of 5 AP courses with a score of at least a 3 on each AP exam with an AP Diploma. AP courses are open to any student who is interested in academic rigor. A student enrolled in any AP course must take the AP examination to receive the .5 weighted grade. Students in 9th and 10th grade are

encouraged to take Pre-AP or honors classes in preparation for the more rigorous AP courses. AP courses are recognized for college credit by many universities in the United States and abroad. For more information about the AP program see www.collegeboard.com.

The AP program is offered at Centreville, Chantilly, Fairfax, Falls Church, Herndon, Langley, Madison, McLean, Oakton, West Potomac, West Springfield, Westfield and Woodson high schools and Hayfield, Lake Braddock, and South County secondary schools. A list of AP courses in FCPS schools is available on the FCPS website at <http://www.fcps.edu/DIS/OHSICS/advepd/advepd.htm>.

International Baccalaureate

The International Baccalaureate (IB) program provides a comprehensive rigorous education emphasizing analytical thinking, reading and writing skills with an international perspective. It is an advanced level college preparatory program open to highly motivated 11th and 12th grade students who seek academic rigor. A student can earn a full IB diploma by completing courses in 6 areas – English, foreign language, social studies, science, math, and elective. Beyond completing the course requirements, diploma students are required to engage in community service (CAS), individual research (extended essay), and Theory of Knowledge class. Students may also choose to earn IB certificates for individual IB courses. 9th and 10th grade students are encouraged to take Pre-IB or MYP

courses in preparation for the more rigorous IB courses. Students must complete the end-of-course assessments to receive the .5 weighted grade. IB courses are recognized for college credit by many universities in the United States and abroad. For more information about the IB program see www.ibo.org.

The IB program is offered at Annandale, Edison, Lee, Marshall, Mount Vernon, South Lakes and Stuart high schools and Robinson Secondary School. A list of IB courses in FCPS schools is available on the FCPS website at <http://www.fcps.edu/DIS/OHSICS/advepd/IB%20courses.pdf>.



Thomas Jefferson High School for Science and Technology

Thomas Jefferson High School for Science and Technology (TJHSST) is a unique Fairfax County public school that provides an innovative, specialized learning environment for highly motivated students who have a genuine interest in the biological, physical, mathematical, and computer sciences. Designated as the Governor's Regional School in Northern Virginia, TJHSST offers a comprehensive college preparatory program with additional required courses in science, mathematics, and technology. Special features of the school include its integrated and collaborative courses and its twelve specialized research laboratories. For more information about TJHSST, see www.tjhsst.edu.

TJHSST is located at 6560 Braddock Road, Alexandria, Virginia 22312. Bus transportation is provided.

Students are selected for TJHSST through a competitive admissions process. For more information regarding TJHSST and its admissions process, the annual Open House, the TJ admissions test for applicants to the ninth grade, and test preparation, see www.TJAdmissions.org.

