

RECOGNITION & BENEFITS

ACES SCHOLAR

The designation of **ACES Scholar** will be awarded at graduation to any student in the program who has successfully completed the requirements and taken the corresponding AP[®] exams by the end of their senior year. This designation and an explanation of its significance are included with transcripts sent from Walter Johnson.

COLLEGE BOARD AP[®] SCHOLAR

ACES Scholar program participation contributes to formal recognition by the College Board as an AP[®] Scholar.

BENEFITS

- Opportunity to earn college credit while in high school.
- The potential to enter college with sophomore status.
- An accelerated program especially designed for talented and motivated learners.
- Preparation for rigorous college science programs.



ADMISSION INFORMATION

INTENT TO PARTICIPATE

Interested students are responsible for completing and submitting the [Intent to Participate form](#) to the ACES coordinator.

An online participation form is available on our website walterjohnson.com/programs/aces. Requests to participate in the ACES Scholars program may be initiated by a student or a parent. Teachers should encourage students to participate whom they feel meet the requirements and would benefit from the program. ACES participation begins when a student submits the completed Intent to Participate form.

ACES Coordinator:
Mr. Jamie Grimes
Walter Johnson High School
6400 Rock Spring Dr
Bethesda, MD 20814
Phone: 240-740-6900
Fax: 301-571-6986
James_M_Grimes2@mcpsmd.org
walterjohnson.com/programs/aces/

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ACES SCHOLARS Program



**Advanced Curriculum for
Excellence in Science**

A Science Scholars Program at

**Walter Johnson
High School**

Montgomery County Public Schools
Bethesda, Maryland

The ACES SCHOLARS Program

PHILOSOPHY

The ACES Scholars program is designed to offer students a challenging course of study in the science disciplines. Students follow a comprehensive curriculum combining honors level courses and rigorous Advanced Placement (AP®) level course work. The course of study provides students with a broad background in all the scientific disciplines at levels appropriate to talented and motivated learners.

The program encourages students to take more accelerated science courses, offers structured support and skill refinement and broadens students' career choices. The program setting includes heterogeneously grouped classes within Walter Johnson High School. ACES Scholars is an intellectually stimulating program within a student's own community that offers the flexibility to pursue individual educational goals.



COURSE OF STUDY PROGRAM REQUIREMENTS

- Biology, Chemistry and Physics (2 of which must be honors, or AP®)
- At least **five credits** of the following (**three credits of which must be AP®**)
 - AP® Biology (2 credits)
 - AP® Chemistry (2 credits)
 - AP® Environmental Science
 - AP® Math (1 credit)
 - Calculus AB or BC
 - Statistics
 - AP® Physics 1
 - AP® Physics C: Mechanics
 - AP® Physics C: Electricity & Magnetism
 - Anatomy
 - Molecular Biology
 - Forensic Science
 - Science Internship
 - MCPS Science Fair
 - Intel Science Talent Search (<https://student.societyforscience.org/intel-sts>)
 - 3 year of science competitions (ex: WJ Science Olympiad, Physics Bowl)
- Advanced Placement (AP) exams must be completed for all AP courses used to fulfill ACES Program requirements.
- Students must earn a semester grade of B or higher in all courses used toward fulfilling the ACES Program requirements.

EXAMPLE SCHEDULES

There are many different course options for completing the ACES Scholars program, so it is recommended that students take the upper level courses of most interest. Students will need 2-3 periods of science most years to complete this program. Below are some options:

Maximum AP® Courses: (6 AP® sciences)

9th Grade:	H Biology & H Chemistry
10th Grade:	AP® Physics 1 & AP® Environmental Science
11th Grade:	AP® Physics C: Mechanics & AP® Chemistry
12th Grade:	AP® Biology & AP Physics C: E & M

3-4 AP® sciences

9th Grade:	H Biology & H Chemistry
10th Grade:	AP® Physics 1 & AP® Environmental Science
11th Grade:	AP® Chemistry or AP® Biology
12th Grade:	AP® or Advanced Science

2-3 AP® sciences

9th Grade:	H Biology
10th Grade:	H Chemistry
11th Grade:	H Physics or AP® Physics 1 & AP® Chemistry
12th Grade:	AP® Biology & AP® Calc or Stat

ACES COMMUNITY INVOLVEMENT

ACES members will be invited to participate in enrichment activities such as:

- Lunchtime roundtable discussions with scientific professionals, college professors, and researchers.