



TROY HIGH SCHOOL

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Mrs. Margaret Buchan, Principal



School Profile and Transcript Explanation CEEB Code 051-009

21st Century National Blue Ribbon School of Excellence/California Distinguished High School
New American High School National Showcase Site
28th Best High School in America, *Newsweek* (May 2008)
#1 AP Computer Science Program in the World, *AP Report to the Nation* (2005 - 2008)

Troy High School – An Overview

Troy High School is a comprehensive four-year public high school in the Fullerton Joint Union High School District. Located next to California State University, Fullerton, Troy offers unique high-level educational opportunities to students from over 100 junior high schools in four Southern California counties: Orange, Los Angeles, San Bernardino and Riverside. Troy's most celebrated program is **Troy Tech, a Specialized Secondary Magnet Program in Math, Science and Technology**, which was founded in 1986 under California Education Code 58800. This and the pre-university **International Baccalaureate Program** set the high academic standards of the school and have attracted local, state, and national attention to Troy, as is indicated by the awards listed above. Students in the magnet programs account for 51 percent of Troy's 2,650 students. In 2008, 68 percent of Troy's graduates matriculated into four-year universities, while another 31 percent enrolled in two-year colleges or technical schools. The Troy **Science Olympiad** Team is a 14-year national winner of 8 first place awards (including 2008), three second place awards, and one third place award. Troy's **Science Bowl** Team has placed first and second five times in the Western Regional Science Bowl sponsored by NASA/JPL and the U.S. Department of Energy. In 2001, the team was the national second place winner. Each year, individual Troy Tech students win recognition and scholarships in the prestigious **Siemens-Westinghouse Math, Science, and Technology Competition** and the **Intel Science Talent Search**. In 2008, the Western Association of Schools and Colleges granted the school a six-year accreditation. Additionally, Troy High School is a member institution of the National Association of College Admissions Counselors (NACAC).

The Troy Tech Magnet Program in Math, Science and Technology

In 1986, the state of California awarded magnet school status to Troy High School through a Specialized Secondary School grant. Since then, the Troy Tech Program in Math, Science, and Technology has provided an accelerated education in academics and technology to talented students in grades 9 through 12; the top students in a four-county area of Southern California commute to Troy to study in this program. They are admitted through a competitive process of testing, past academic performance, and teacher recommendation; once admitted, they take academic and technology-based classes in an extended day each semester and summer school work for four years. TT freshmen take two foundational classes, Fundamentals of Programming and Computer Logic and Algorithms, both of which were written by TT teachers and have been approved by the UC system. Sophomores and juniors choose elective courses from five pathways: Computer Science, Business, Media Arts, Engineering/Architecture, and Leadership. It is the AP Computer Science classes in the Computer Science Pathway that have been named as the #1 AP Computer Science classes in the world for three years in a row (*AP Report to the Nation*, 2008). Finally, senior TT students complete a 150-hour Internship, wherein they apply their knowledge and skills to a year-long project under the direction of a professional mentor in business or academia. Troy maintains an active list of over 1,000 nationally-based mentors who are interested in working with the Interns. Troy Tech mentor organizations include Boeing, Raytheon, UCLA, UCI, Orange County *Register*, the California Department of Justice, Chapman University, CHOC, Cedar Sinai Medical Center, Stanford, Caltech, Johns Hopkins, Harvard Medical School, Anaheim Convention and Visitors Bureau, Disneyland, and many others. This year, 1,332 students are enrolled in the Troy Tech Magnet Program; 312 are Senior Interns.

The International Baccalaureate Program – An Honors Curriculum

Internationally acclaimed as a pre-university, honors-level program, the International Baccalaureate Program adheres to worldwide standards of excellence. Through a challenging, integrated curriculum, students study coursework and take six exams in five academic areas: English, foreign language, science, mathematics, and social science. IB Diploma students also study the relationship of these disciplines in the IB Theory of Knowledge course. IB students perform a 150-hour Creativity, Action, and Service project as well as independent research for a 4,000-word Extended Essay. Troy's students may pursue the IB Diploma or individual IB certificates. Currently, 1,098 Troy students are enrolled in the Pre-IB, 74 are Diploma Candidates. In May, 260 students took IB exams, 55 of whom were Diploma Candidates whose pass rate was 99 percent. Furthermore, the pass rate on 370 Higher Level Exams (including Theory of Knowledge and the Extended Essay) was 99 percent and 99 percent on 364 Standard Level exams.

GRADUATION REQUIREMENTS

Class of 2008 - 2010

Academic Studies: 230 units, including 40 in English, 30 in Social Science, 30 in Mathematics, 20 in Laboratory Science, 20 in Foreign Language, 10 in Visual/Performing Art or Applied Arts, 5 in Health, 20 in Physical Education, 20 in advanced, upper-division courses, and a minimum of 35 units of elective coursework.

General Education Studies: 220 units, including 40 in English, 30 in Social Science, 20 in Mathematics, 20 in Laboratory Science, 10 in Foreign Language or Visual/Performing Art, 5 in Health, 20 in Physical Education, and a minimum of 75 units of elective coursework.

Class of 2011 and beyond

230 units, including 40 in English, 30 in Social Science, 30 in Mathematics, 30 in Laboratory Science, 10 in Foreign Language/Visual/Performing Art, 5 in Health, 20 in Physical Education, and a minimum of 65 units of elective coursework.

SCHOOL DEMOGRAPHICS

The socio-economic composition of the student body represents great diversity: 38% Asian, 28% Caucasian, 19% Hispanic, 5% Filipino, 5% Asian Indian, 1% African American, and 4% other (American Indian, Pacific Islander, or undesignated).

TRANSCRIPT EXPLANATION

Units of Credit: Normally, 5 units of credit are allotted for each semester passing grade.

Ranking: Troy High School ranks its students using the **DECILE** system.

Grading System: Grade point averages are computed on a four (4) point scale: A=4, B=3, C=2, D=1, and F=0. However, grades are weighted for Honors, IB, and AP classes: A=5, B=4 and C=3. Courses earning extra points are designated with a "+" preceding the course title.

International Baccalaureate and Advanced Placement Programs – Concurrent Enrollment

At the beginning of the 2006-2007 school year, the University of California system imposed a separation of AP and IB course titles on courses offered in the California public schools, regardless of the dual curricula being taught in the classes. However, for 20 years, Troy's teachers have integrated and taught the AP and IB curricula in their classes. Therefore, although the titles on the students' transcripts reflect only AP or IB, Troy's teachers have continued to teach **both** curricula within their classes. Troy teaches the IB curriculum in all subject areas in the junior and senior years at the Higher Level. Please refer to the complete course listing of **Honors (H), Advanced Placement (AP), and International Baccalaureate (IB)** courses on the attached page:

SCHOOL DAY

Daily class periods are 57 minutes each; classes meet 5 times per week, 180 days per year.

2007/2008 TESTING

SAT Reasoning Exams - Mean Scores: Verbal – 613; Math – 658; Writing – 613

SAT Subject Exams - Mean Scores: Math Level I – 655; Math Level II – 728; Biology E – 666; Biology M – 697; Chemistry – 695; Physics – 718; Literature – 650; Spanish – 672; French – 615; Japanese w/L – 601; Korean w/L – 771; Chinese w/L – 773; United States History - 659; World History – 610

Troy Tech/IB SAT Reasoning Exams - Mean Scores: Verbal – 702; Math – 749; Writing -- 711

SAT Subject Exams - Mean Scores: Math Level II – 762; Biology M – 724; Chemistry – 725; Physics – 734; Literature – 690; Spanish – 705; French – 675; Korean w/L – 767; Chinese w/L – 781; Japanese w/L – 650; United States History - 718; World History – 640

Advanced Placement Examinations: 2,092

International Baccalaureate Examinations: 734

AP Pass Rate = 92%

IB Diploma Pass Rate = 99%

	2008	2009
National Merit Semifinalists	51	57
National Merit Finalists	42	announced February 2009
National Merit Commended Scholars	87	95
National Hispanic Scholars	6	5

Troy High School Honors Classes
Honors (H), Advanced Placement (AP), and International Baccalaureate (IB) Courses

English

English 1 Honors, English 2 Honors, English Language and Composition AP, English Literature and Composition AP, English IB HL 2*.

Social Science

Geography/Non-Western Cultures IB (Geography IB SL), European History AP, U.S. History AP, AP Government & Politics: U.S., Economics Macro AP, Psychology AP, History of the Americas IB HL 2*, Philosophy IB HL 2*, Theory of Knowledge IB*.

Mathematics

Geometry Honors, Algebra 2 Honors, Pre-Calculus Honors, Math Analysis Honors, AP Statistics, AP Calculus AB, AP Calculus BC*, Math IB HL 2*.

Science

Biology IB (Biology IB SL), Biology AP*, Chemistry Honors (Chemistry IB SL), Chemistry AP, Chemistry IB HL 2*, Physics Honors* (Physics IB SL), Physics C AP*, Physics IB HL 2*, Environmental Science AP.

Languages Other Than English

French IB SL, French Language AP*, French Literature AP*; Japanese IB SL, Japanese Language and Culture AP, Latin IB SL, Latin Literature AP*, Spanish 2 Honors, Spanish IB SL, Spanish Language AP*, Spanish Literature AP*.

Computer Science

Computer Science A AP, Computer Science AB AP, Design Technology IB SL, Business/Management IB.

Visual and Performing Arts

AP Drawing, Visual Arts IB SL*, Visual Arts IB HL 2*, Art Design IB, AP 2-D Design, AP 3-D Design, AP Music Theory.

* Required courses of some or all International Baccalaureate Diploma Candidates for testing

() Redesignation of transcript titles effective September 2006