



# TROY HIGH SCHOOL

2200 East Dorothy Lane, Fullerton, California 92831

714-626-4425 • [www.troyhigh.com](http://www.troyhigh.com)

Dr. William Mynster, Principal



**21<sup>st</sup> Century National Blue Ribbon School of Excellence/California Distinguished High School**

**New American High School National Showcase Site**

**2017 California Gold Ribbon School-Troy Tech**

**#42 Best Public High School in the Nation, 2018 Niche.com**

**#3 Best Public High School in California, #1 High School in LA/Orange County Metro, 2018 Niche.com**

**2018 Gold Medal School,**

**#32 STEM, #65 Magnet High School in the Nation, US News and World Report**

**NACAC Member School**

CEEB Code 051-009

## Class of 2019

## Counseling Staff and IB Coordinator

A - E & AVID	Jacque Morck	714.626.4423	<a href="mailto:jmorck@fjuhsd.org">jmorck@fjuhsd.org</a>
F - Kh	Sarah Saleen	714.626.5812	<a href="mailto:ssaleen@fjuhsd.org">ssaleen@fjuhsd.org</a>
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Si - Z	Lisa Avila	714.626.4413	<a href="mailto:lavila@fjuhsd.org">lavila@fjuhsd.org</a>
Registrar	Stephanie Rosner	714.626.4426	<a href="mailto:srosner@fjuhsd.org">srosner@fjuhsd.org</a>
IB Diploma Program	Charlotte Kirkpatrick	714.626.4422	<a href="mailto:ckirkpatrick@fjuhsd.org">ckirkpatrick@fjuhsd.org</a>

## Troy High School – An Overview

- ◆ Comprehensive 4-year public high school in the Fullerton Joint Union High School District
- ◆ 2,612 students – 626 seniors in the Class of 2019
- ◆ Located next to California State University, Fullerton, offering unique, high-level educational opportunities to Troy’s students
- ◆ Academic day: 57 minutes/class, 5 days/week, 180 days/year
- ◆ Diverse demographics:  
Asian 42.9% . . . Caucasian 14.4.9% . . . Hispanic 23.4% . . . Filipino 7.1% . . . African-American 1.3% . . .  
Two or more races 9.7% . . . Other (American Indian, Pacific Islander, undesignated) 0.9%

## Student Achievement

- ◆ Programs for all Troy students: Advanced Placement, International Baccalaureate, and the Troy Tech Specialized Secondary Magnet Program in Science, Technology, Engineering and Mathematics
- ◆ 76.7 % of the student population is enrolled in one or more of our accelerated programs
- ◆ National Merit Semifinalists: 2018 - 2019 34 students
- ◆ National Merit Scholar Finalists: 2017 - 2018 37 students
- ◆ National Merit Commended Scholars 2018 - 2019 115 students
- ◆ National Hispanic Scholars 2018 - 2019 10 students

## Standardized Testing - Mean Scores

(Scores below are from last year; this years are still pending from College Board. We will update when we receive them in October)

SAT Exams: (Mean Total Score-1331)	Evidence-Based Reading and Writing – <b>655</b>	Math – <b>679</b>	
♦ SAT Subject Exams:	Math Level II – 744	Biology E – 697	Biology M – 736
	Chemistry – 720	Physics – 701	Literature – 663
	Chinese w/L – 784	Korean w/L – 772	US History – 717

## Graduation Requirements

- ♦ 217.5 units: English 40; Social Science 30; Math 30; Lab Science 20; World Language, Career Technical Education or Visual/Performing Art 10; Health 2.5; Physical Education 20; Electives 65 unit minimum

## Ranking and Grading System

- ♦ 626 seniors in the Class of 2019 are ranked in weighted deciles:  
First: **4.83 – 4.57** . . . Second: **4.56 – 4.39** . . . Third: **4.38 – 4.20** . . Fourth: **4.19 – 4.02** . . . Fifth: **4.01 – 3.85**  
Sixth: **3.84 – 3.60** . . . Seventh: **3.59 – 3.28** . . . Eighth: **3.27 – 2.89** . . . Ninth: **2.88 – 2.28**
- ♦ Grading system for college preparatory classes and other courses are based on a 4.0 scale:  
A = 4, B = 3, C = 2, D = 1, F = 0
- ♦ Grading system for Honors, AP, IB classes are based on a 5.0 scale (+ precedes course title on transcript):  
A = 5, B = 4, C = 3, D = 1, F = 0

## Honors Classes

### Honors (H), Advanced Placement (AP), and International Baccalaureate (IB) Courses

- ♦ **English:** English 1 Honors, English 2 Honors, English 3 Honors, AP English Language and Composition, English IB SL, AP English Literature and Composition;
- ♦ **Social Science:** AP World History, World History Honors, AP European History, AP US History, History of Americas IB HL 2, AP Government & Politics US, AP Macroeconomics, AP Psychology, Philosophy IB SL, 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:** Honors Biology, AP Biology, Biology HL 2, Chemistry Honors, AP Chemistry, AP Physics 1, AP Physics 2, AP Physics C, AP Environmental Science;
- ♦ **Languages Other Than English:** French IB SL, AP French Language, AP Japanese Language and Culture, Spanish IB SL, AP Spanish Language, Mandarin IB SL, AP Chinese Language and Culture;
- ♦ **Computer Science:** AP Computer Science Principles, AP Computer Science A, Computer Science IB SL, Computer Science IB HL 2, Design Technology IB SL, Business Management IB SL; Mechatronics (H), International Business (H), Computer Operating System Security (H), Cyber Security Fundamentals (H)
- ♦ **Visual and Performing Arts:** AP Drawing, AP Studio Art: 2-D Design, Visual Arts IB HL 2, Film IB SL, Film IB HL 2, AP Music Theory.

## Awards

- ♦ Science Olympiad Team –2017 and 2018 Back-to-Back National Champions; 12 time National Champions and 23 time State Champions since 1996
- ♦ Siemens Foundation – Founders Award, 2008
- ♦ Siemens Competition Math, Science, Technology Award – National/Regional winners - numerous students, numerous years
- ♦ American Chemical Society – numerous students, numerous years
- ♦ Biology Olympiad: Troy student on U.S. Team, 2017 & 2018 World Champions and #2 individual world ranking
- ♦ Biology/Chemistry Olympiad – Silver Medals, 2014 and 2015
- ♦ Intel Science Talent Search Award – National/Regional winners – numerous students, numerous years

- ◆ NJROTC - Best program in California and Arizona 2018. National CyberPatriot Champions. National Runners-up SeaPerch underwater robotics. 325+ cadets participating, one of the largest programs in the nation.
- ◆ Golden Bell Awards (California School Board Association) – Troy Tech Internship Program and the Best Buddies Program
- ◆ CyberPatriot Teams - Nationally 1st & 2nd in All-Service Division, 3rd and 7th in Open Division; SANS Corp Cyber Security Difference Maker – Mr. Allen Stubblefield, 2017
- ◆ 2018 Southern California Aspirations in Computing Award from NCWIT - Recognized Troy Tech female student leaders in computer science and technology– more recipients than any other high school in the U.S.
- ◆ Sports - 10 of 22 team sports won league championships. Girls Golf team was CIF champions with an individual state Runner Up.

### College Attendance

- ◆ **99% of Troy's students attend colleges and universities.**
- ◆ 4-year colleges and universities 75% attendance; 2-year colleges 24% attendance
- ◆ **2018 Troy graduates were accepted at these two and four-year colleges and universities:**

Abilene Christian University	CSU, Long Beach	Grand Canyon University
Adelphi University (College of Arts & Sciences)	CSU, Los Angeles	Hamline University
Albany College of Pharmacy and Health Sciences	CSU, Monterey Bay	Harvard University
Albright College	CSU, Northridge	Harvey Mudd College
Allegheny College	CSU, Sacramento	Hawaii Pacific University
American University	CSU San Bernardino	Hofstra University
Amherst College	CSU, San Marcos	Hope International University
Andrews University	CSU, Stanislaus	Humboldt State University
Arizona State University	Carleton College	Indiana University at Bloomington
Auburn University	Carnegie Mellon University	Iona College
Azusa Pacific University	Case Western Reserve University	Irvine Valley College
Babson College	Cerritos College	ITESO - Universidad Jesuita de Guadalajara
Baylor University	Chaffey College	Johns Hopkins University
Belmont University	Chapman University	Juniata College
Beloit College	Claremont McKenna College	Keio University
Bentley University	Clark University	Kenyon College
Berkeley City College	Colorado College	Lehigh University
Berklee College of Music	Colorado School of Mines	Long Beach City College
Biola University	Colorado State University	Louisiana State University
Boise State University	Columbia College Chicago	Loyola Marymount University
Boston College	Columbia University	Loyola University Chicago
Boston University	Concordia University – Irvine	Macalester College
Bradley University	Cornell University	Marist College
Brandeis University	Creighton University	Massachusetts Institute of Technology
Brandman University	Cypress College	Massachusetts College of Pharmacy & Health Sciences
Brown University	Dartmouth College	Mills College
Cal Maritime	DePaul University	Milwaukee School of Engineering
California Baptist University	Diablo Valley College	Mount Holyoke College
California Institute of Technology	Dixie State University	Mount Saint Mary College
California Lutheran University	Dominican University of California	Mount Saint Mary's University
California Polytechnic State University, San Luis Obispo	Drexel University	Mt. San Antonio College
California State Polytechnic University – Pomona	Duke University	Muhlenberg College
CSU, Bakersfield	Eastern Oregon University	New York University
CSU, Channel Islands	Embry-Riddle Aeronautical University	North Carolina State University
CSU, Chico	Emory University	Northeastern University
CSU, Dominguez Hills	Florida Institute of Technology	Northern Arizona University
CSU, East Bay	Fordham University	Northwestern University
CSU, Fresno	Franciscan University of Steubenville	NYU Shanghai
CSU, Fullerton	Fullerton College	Oberlin College of Arts and Sciences
	Georgetown University	
	Georgia Institute of Technology	
	Gonzaga University	

Occidental College  
Orange Coast College  
Oregon State University  
Otis College of Art and Design  
Oxford College of Emory  
University  
Pace University, New York City  
Pacific Northwest College of Art  
Pacific Union College  
Pacific University  
Pennsylvania State University  
Pepperdine University  
Point Loma Nazarene University  
Prairie View A&M University  
Princeton University  
Providence College  
Purdue University  
Regis University  
Rensselaer Polytechnic Institute  
Rhode Island School of Design  
Rice University  
Rochester Institute of Technology  
Saint Louis University  
Saint Martin's University  
Saint Mary's College  
Saint Mary's College of California  
San Diego State University  
San Francisco State University  
San Jose State University  
Santa Ana College  
Santa Clara University  
Santa Monica College  
Santiago Canyon College  
Savannah College of Art and  
Design  
School of the Art Institute of  
Chicago  
Scripps College  
Seattle Pacific University  
Seattle University  
Seton Hall University  
Sonoma State University  
South Dakota School of Mines and  
Technology  
Southern Methodist University  
Southern Utah University  
Spartan College of Aeronautics and  
Technology  
St. John's University - Manhattan  
Campus  
Stanford University  
Stevens Institute of Technology  
SUNY College of Environmental  
Science and Forestry  
Swarthmore College  
Syracuse University  
Texas A&M University  
Texas Christian University  
Texas Tech University  
The Catholic University of America  
The Cooper Union for the  
Advancement of Science & Art  
The George Washington University

The King's College  
The New School - All Divisions  
The Ohio State University  
The University of Alabama  
The University of Arizona  
The University of Montana,  
Missoula  
The University of North Carolina at  
Chapel Hill  
The University of Oklahoma  
The University of Tampa  
The University of Texas, Austin  
The University of Texas, Dallas  
Trinity College  
Trinity University  
Tulane University  
Union College (New York)  
United States Air Force Academy  
United States Merchant Marine  
Academy  
United States Military Academy  
United States Naval Academy  
University of Advancing  
Technology  
University of British Columbia  
University of California, Berkeley  
University of California, Davis  
University of California, Irvine  
University of California, Los  
Angeles  
University of California, Merced  
University of California, Riverside  
University of California, San Diego  
University of California, San  
Francisco  
University of California, Santa  
Barbara  
University of California, Santa Cruz  
University of Chicago  
University of Colorado at Boulder  
University of Colorado at Denver  
University of Colorado Colorado  
Springs  
University of Connecticut  
University of Dallas  
University of Dayton  
University of Delaware  
University of Denver  
University of Georgia  
University of Hartford  
University of Hawaii at Manoa  
University of Illinois at Urbana-  
Champaign  
University of La Verne  
University of Miami  
University of Michigan  
University of Minnesota, Twin  
Cities  
University of Nevada, Las Vegas  
University of New Haven  
University of North Carolina at  
Charlotte  
University of North Dakota

University of Notre Dame  
University of Oregon  
University of Pennsylvania  
University of Pittsburgh  
University of Portland  
University of Puget Sound  
University of Redlands  
University of Rhode Island  
University of Rochester  
University of San Diego  
University of San Francisco  
University of Southern California  
University of Tennessee, Knoxville  
University of the Pacific  
University of the Sciences in  
Philadelphia  
University of Tokyo  
University of Toledo  
University of Toronto  
University of Tulsa  
University of Utah  
University of Washington  
University of Waterloo  
University of Wisconsin, Madison  
Ursinus College  
Utah State University  
Vanderbilt University  
Vanguard University of Southern  
California  
Villanova University  
Virginia Commonwealth University  
Virginia Tech  
Waseda University  
Waseda University School of  
International Liberal Studies  
Washington State University  
Wayland Baptist University  
Wellesley College  
Westmont College  
Whitman College  
Whittier College  
Williams College  
Yale University

# The Troy Tech Magnet Program: Science, Technology, Engineering and Mathematics



Specialized Programs Coordinator: Charlotte Kirkpatrick ckirkpatrick@fjuhsd.org  
Troy Tech Coordinator: Laurie Downum-Bonnett Ldownum@fjuhsd.org  
714-626-4425 ♦ [www.troyhigh.com](http://www.troyhigh.com)

## General

- Nationally acclaimed magnet program celebrates over 30 years of student success – founded in 1986 under a California Specialized Secondary School grant—first magnet program in Orange County.
- Approximately 1,712 students, or 65 percent of Troy’s enrollment, participate in Troy Tech.
- TT students commute from four counties in Southern California: Orange, Los Angeles, Riverside and San Bernardino.

## Qualification

- Competitive qualification process available to academically-talented eighth grade students from across Southern California by math and English-based specialized programs examination.

## Schedule and Curriculum

- Extended day enrollment with extra classes each semester for four years; most TT students attend from 7 a.m. until 3 p.m. each day.
- Advanced curriculum in technology with pathways focusing on computer science, engineering, cyber defense, media, business, and leadership (see pathways on reverse).
- Over 20 technology elective courses including AP Computer Science Principles and AP Computer Science A. In May 2018, 605 students opted to take AP Computer Science exams with 46% of the exams taken by females; school-wide Troy gave 3436 AP exams with a 90% pass rate.

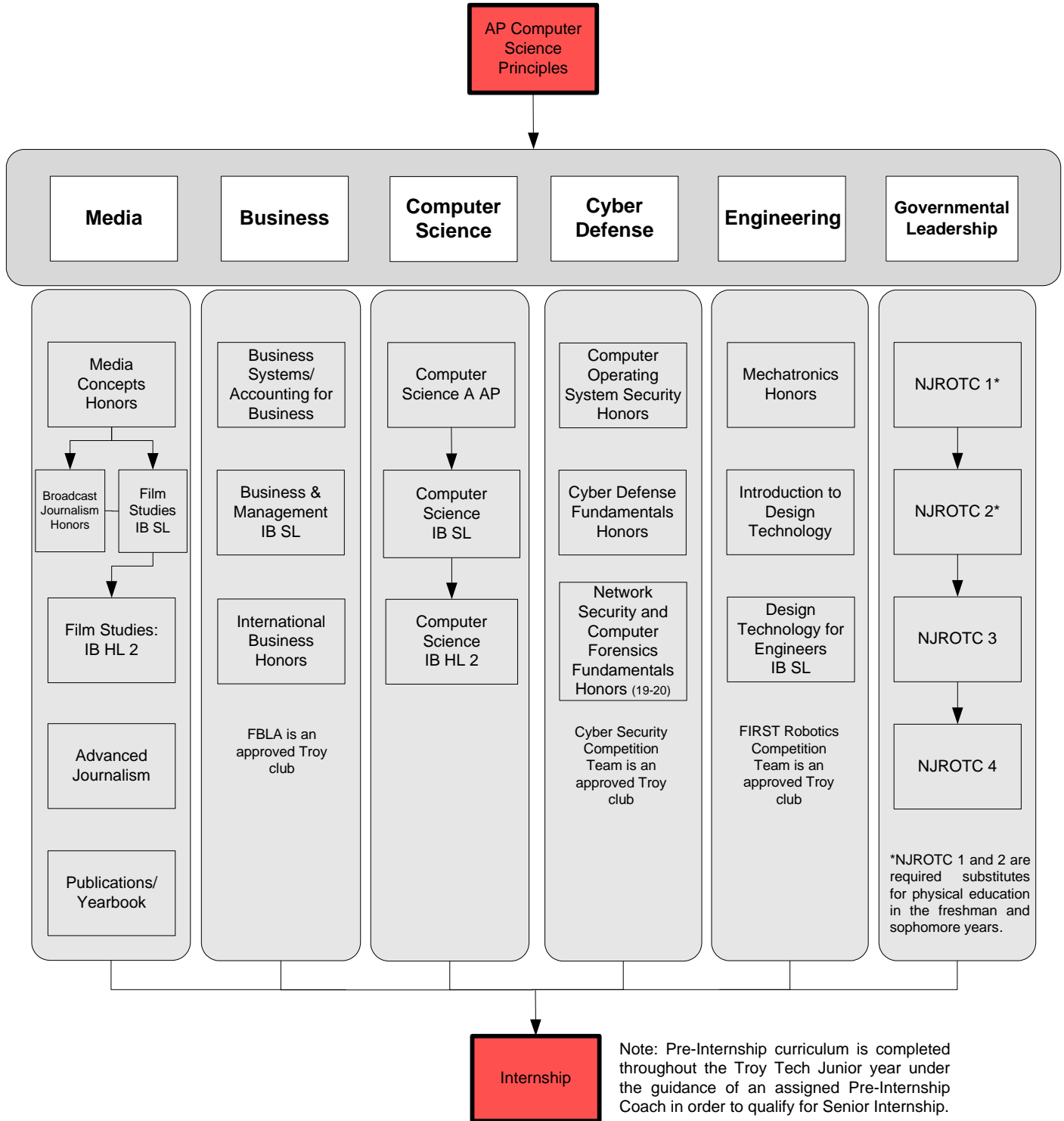
## Senior Internship: 150 Volunteer Hours

- Year-long and/or summer internships in business, industry, academia, and local, state and national government; students work under professional mentors.
- Mentor database of over 1,000 professional mentors who have worked with and are willing to work with Troy’s interns at local, state, national, and international sites.
- 385 Troy Tech Senior Interns summer 2018.

## Awards and Recognition

- Ranked #32 STEM, #65 Magnet High School in the Nation, *US News and World Report*, 2018.
- Awarded California Gold Ribbon School by CDE based on Model Program Troy Tech Magnet, April 2017.
- Champions at Computer Programming Contests including Second Place Advanced Division at Code Quest Palmdale 2018, First Place Cal State LA Progfest annually since 2008--competitors include junior colleges, and First Place Wittry Contest 2018.
- 2018 Southern California Aspirations in Computing Award from NCWIT recognized Troy Tech female student leaders in computer science and technology – more recipients than any other high school in the U.S.
- FIRST Robotics Team participated in annual Los Angeles Regional build competition.
- 2018 National Champions CyberPatriot; First 4-year academic Cyber Defense Program with 300 participants.
- Five student films selected for screening at the All American HS Film Festival in New York, October 2018; Julianna Sabile received Honorable Mention in the 2018 Force For Good Film Festival, Notre Dame University.
- Future Business Leaders of America – 6<sup>th</sup> Place team at State Finals 2018; 5<sup>th</sup> and 8<sup>th</sup> Place Networking Concepts, 6<sup>th</sup> Place Global Business Team, and 9<sup>th</sup> Place Agribusiness at FBLA Nationals 2018.
- NJROTC Best Program in CA and Arizona 2018, Largest program West of Mississippi with 320 cadets.
- Troy Tech students and academic teams featured in articles in *USA Today*, the *Los Angeles Times*, the *Orange County Register*, as well as in other publications and at community events.

# Troy Tech Pathways 2018-2019



Troy Tech courses are year-long. This chart shows courses available in each pathway. The courses that must be taken in sequence are noted with a connecting arrow.



# TROY HIGH SCHOOL

Advanced Programs for Gifted Students



## International Baccalaureate and Advanced Placement: A Combined Curriculum

### Advanced Placement Program – Troy High School

AP Coordinator: Lisa Avila                      lavila@fjuhsd.org                      714.626.4413

- Number 1 AP Computer Science Program in the World, *AP Report to the Nation* - multiple awards from previous years
- 3436 AP exams administered in 2018
- 87% pass rate on AP exams in 2018

#### AP Recognitions

• AP Scholars:	2017-2018	202
• AP Scholars with Honors	2017-2018	150
• AP Scholars with Distinction	2017-2018	417
• National AP Scholars	2017-2018	106

### The International Baccalaureate Diploma Program – Troy High School

IB Coordinator: Charlotte Kirkpatrick      ckirkpatrick@fjuhsd.org      714.626.4422

- Established in 1986
- Most rigorous academic program at Troy
- Qualification opportunity for Honors Program (in years 9, 10) leading to IB Diploma (in years 11, 12) available to gifted eighth grade students through Specialized Programs testing and academic achievement qualification for matriculation into the IB Diploma Program in the 11<sup>th</sup> grade based on academic achievement in honors courses and evaluation by IB coordinator and teachers
- Nearly 100 percent of Diploma Candidates at Troy participate in Troy Tech, the nationally acclaimed magnet program, which draws gifted students from four counties in Southern California: Orange, Riverside, San Bernardino, and Los Angeles
- 99.6% IB exam pass rate among IB Diploma and certificate students in 2018
- 41 IB Diploma graduates in 2018; 100% passing
- 246 exams given in 2018 testing
- Students may elect to pursue individual IB certificates in lieu of the Diploma Program

### Mean 2018 SAT Scores of combined AP/IB Diploma Students (Scores below are from last year; this years are still pending from College Board. We will update when we receive them in October)

• SAT Reasoning Exams:	Math – 733	Reading/Write – 698	
• SAT Subject Exams:	Math Level II – 767	Biology E – 736	Biology M – 746
	Chemistry – 726	Physics – 753	Literature – 700
	Chinese w/L – 765	Korean w/L – 790	US History – 735

### 2018 IB Exams Offered in the Following Subjects and Levels

**Standard Level:** *Spanish, French, Japanese, Chinese: Mandarin, Physics, Biology, Math, Computer Science, Design Technology, Film, Visual Art, and Business Management*

**Higher Level:** *English Literature, Spanish, French, Japanese, Chinese: Mandarin, Philosophy, History of Americas Physics, Biology, Math: Statistics, Math: Calculus, Computer Science, Visual Art, and Film*