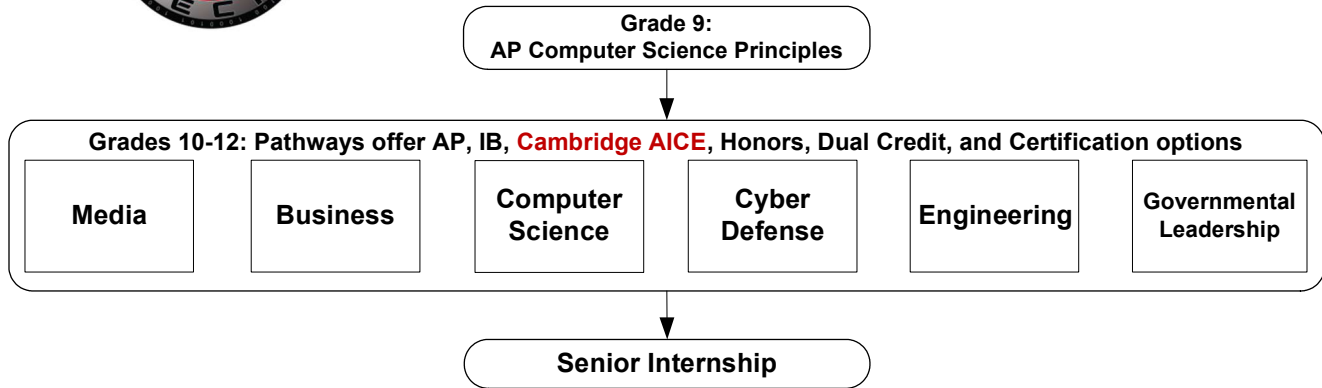




Troy Tech



Choosing a pathway can be a tough decision – ALL the pathways are excellent, rigorous, and expertly-designed by Troy's own teachers. See troytech.troyhigh.com for additional information and course catalog.

Pathways

Media

- Adobe Creative Cloud certifications, **Troy Productions**, **Omnia daily broadcast**, **Oracle newspaper**, Ilium yearbook. All American HS Film Festival, OC Artist of the Year Finalist, OC Journalism Education Assoc. Dual credit options and IB.
- The Media pathway starts with Media Concepts Honors and progresses to fiction (IB Film SL & HL) or non-fiction (Broadcast Journalism Honors 1 & 2). For those interested in print publications, Oracle and Ilium are available; membership on either staff is through application & interview.

Business

- Concurrent enrollment options up to 9 college credits and 3 certifications each year in Microsoft Office and Business, and IB. FBLA 2nd at state finals 2019 & annual national competition.
- **NEW** course: **Empowering Entrepreneurs Honors** will include project-based learning about entrepreneurship in a global world.
- The business pathway exposes students to entrepreneurship, finance, management, computer concepts, and international business. Students collaboratively assess business objectives, develop critical thinking and problem solving skills by working with real world case studies, and evaluate decisions for today's multicultural markets.

Computer Science

- 4 years of honors programming. AP and IB exams qualify for college credit. Recognized #1 CS program in the world by College Board. Programming contests 1st place Wittry, 2nd place HSPC Cal Poly Pomona 2019. Competitive Esports.
- Computer science develops students' computational and critical thinking skills and shows them how to create, not simply use, new technologies. This fundamental knowledge prepares students for the 21st century, regardless of their ultimate field of study. www.code.org
- The Computer Science A AP course can precede additional computer science courses or lead to advancement in ALL Troy Tech pathways. It is Troy Tech's most academic tenth-grade course since it prepares students to take the AP exam.

Cyber Defense

- CompTIA certifications. Largest competitive program in the US with 300+ students. CyberPatriot National Champions 2019, Girls Go Cyber State Champions 2019.
- Computer Op Sys includes IT certification and IOT. Cyber Security Fundamentals includes computer hardware, troubleshooting, and hardware/software certification. Both of these classes are open to all students. Network Security is about networking fundamentals; Cyber Security Fundamentals is a prerequisite.

Engineering

- SolidWorks CSWA certification and IB. FIRST Robotics Team participates in annual OC and LA build competitions.
- Students learn the design process from start to finish as they design using SolidWorks software and then build using the power tools in the classroom's workshop. Mechatronics combines mechanical + electrical + computer technologies.

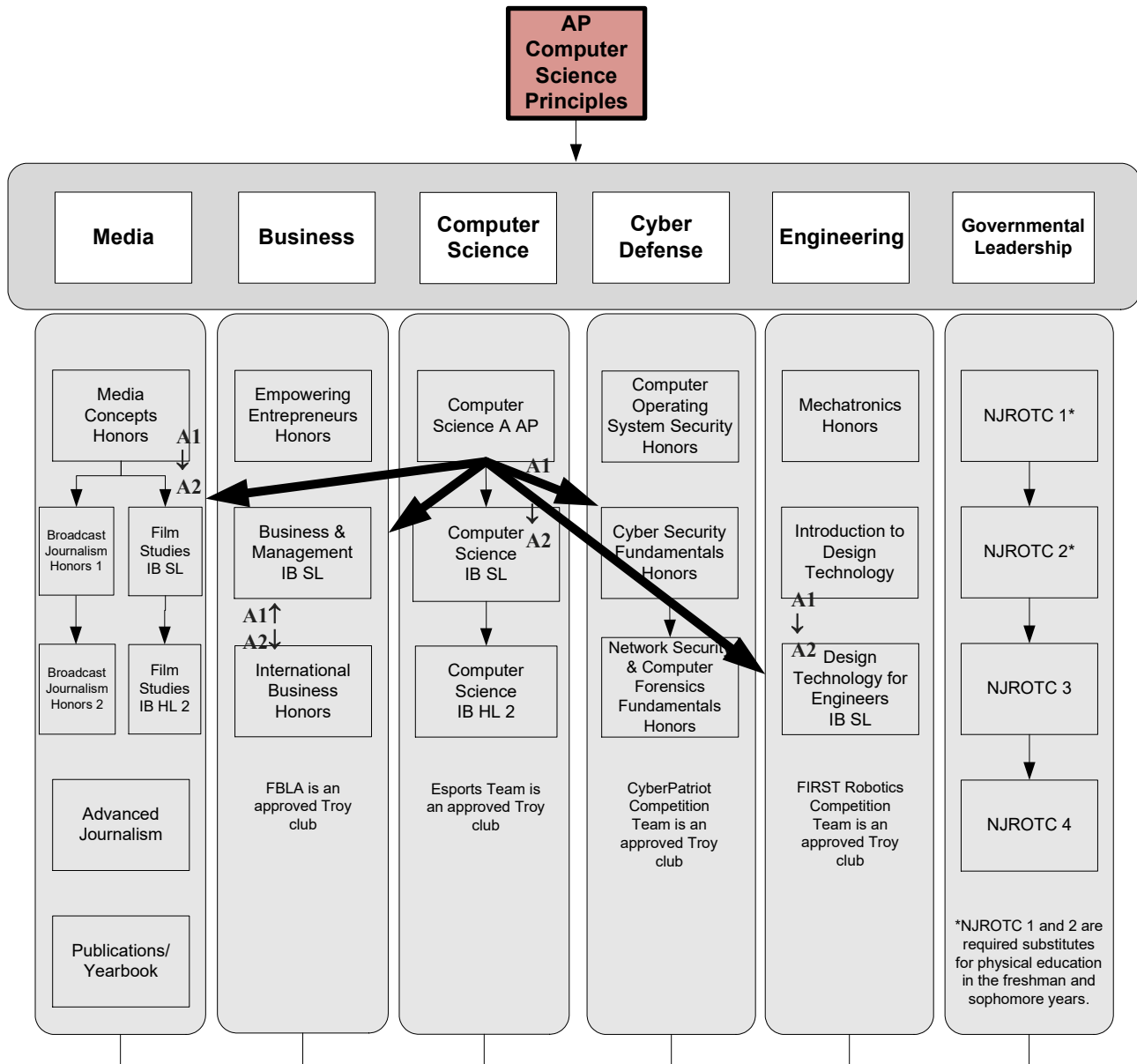
Governmental Leadership

- Over 270 cadets. Participated in 7 national championships 2019 including 2nd place JLAB Academics and 4th place Drill. Hosted two Congressional Medal of Honor Recipients.
- Students gain peer leadership experience and form strong bonds. For 9-10th grade, NJROTC counts as P.E. units toward graduation.

Senior Internships

Students complete the program with a 150-hour experience at a business site or university with a professional mentor. Over 400 seniors earn internship credit each summer. To locate Internships, students network with professionals through family member contacts, required job-shadowing experiences, and current Interns. Each Intern is guided by his or her Troy Tech Advisor during junior and senior year, who has access to a database of over 1,000 active mentors.

Troy Tech Pathways 2020-2021



NEW: Cambridge AICE
A1, A2 Diploma pathway options
noted above

Internship

Note: Pre-Internship curriculum is completed throughout the Troy Tech Junior year under the guidance of an assigned Pre-Internship Coach in order to qualify for Senior Internship.

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 Tech Internship is a Summer Course – listed on your transcript with a summer grade. Breakfast and Fair are program expectations.
Important Internship Dates for Troy Tech Juniors (Information is also on preinternship.troyhigh.com):

Tues, Mar 17, 2020 7pm Mandatory Intern Meeting Junior AND Parent North Gym – 2020-2021 Permission Slip Due (Alt. Tues, 3/31@ 3:10)

Thurs, April 30, 2020 2nd Period Troy Tech Fair in both Gyms - Exploration Google Form Due

Fri, May 1, 2020 Lunch Mandatory Junior Internship Meeting - North Gym (Student only)

Mon, June 1, 2020 8:00 am Mandatory Summer Internship Meeting – Troy High School Lecture Hall - 3 Forms Due (Student only)

Thurs, June 4, 2020 Latest date to start Summer Internship

Wed, July 8, 2020 Latest date to complete Summer Internship. All paperwork due by 12:00 noon

- Summer Interns must start the first week of summer school and intern a minimum of 25 hours and maximum of 40 hours per week continuously until the 150 hours have been completed. **Summer Interns may not interrupt their Internship tenure for vacation or any other purposes.** You may not exceed an 8-hour workday. **August 2020-May 2021** Fall/Spring Internship term is also an option.
- Any programs or out-of-area internship considerations should be approved by Mrs. Downum-Bonnett – email Ldownum@fjuhsd.org Refer to the Out of Area Internship instructions on preinternship.troyhigh.com.
- Lists of past Troy Intern contacts are under About on Google classroom. Coaches are available to you. Emails should be specific – include your full name, city where you live, transportation, interest area, and resume. Contact Mrs. Downum-Bonnett with questions or concerns.
- Prescreened sites: Anaheim Regional Medical Center, Boeing, Discovery Cube, NOC Selpa, Parker, Peraton, PIH Health, Targus & UCI Medical Orange.