

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



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## **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 1,642 students, or 61 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 gifted 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 career strands focusing on computer science, engineering, cyber defense, media, business, and leadership;
- Over 20 technology elective courses (see pathways on reverse).

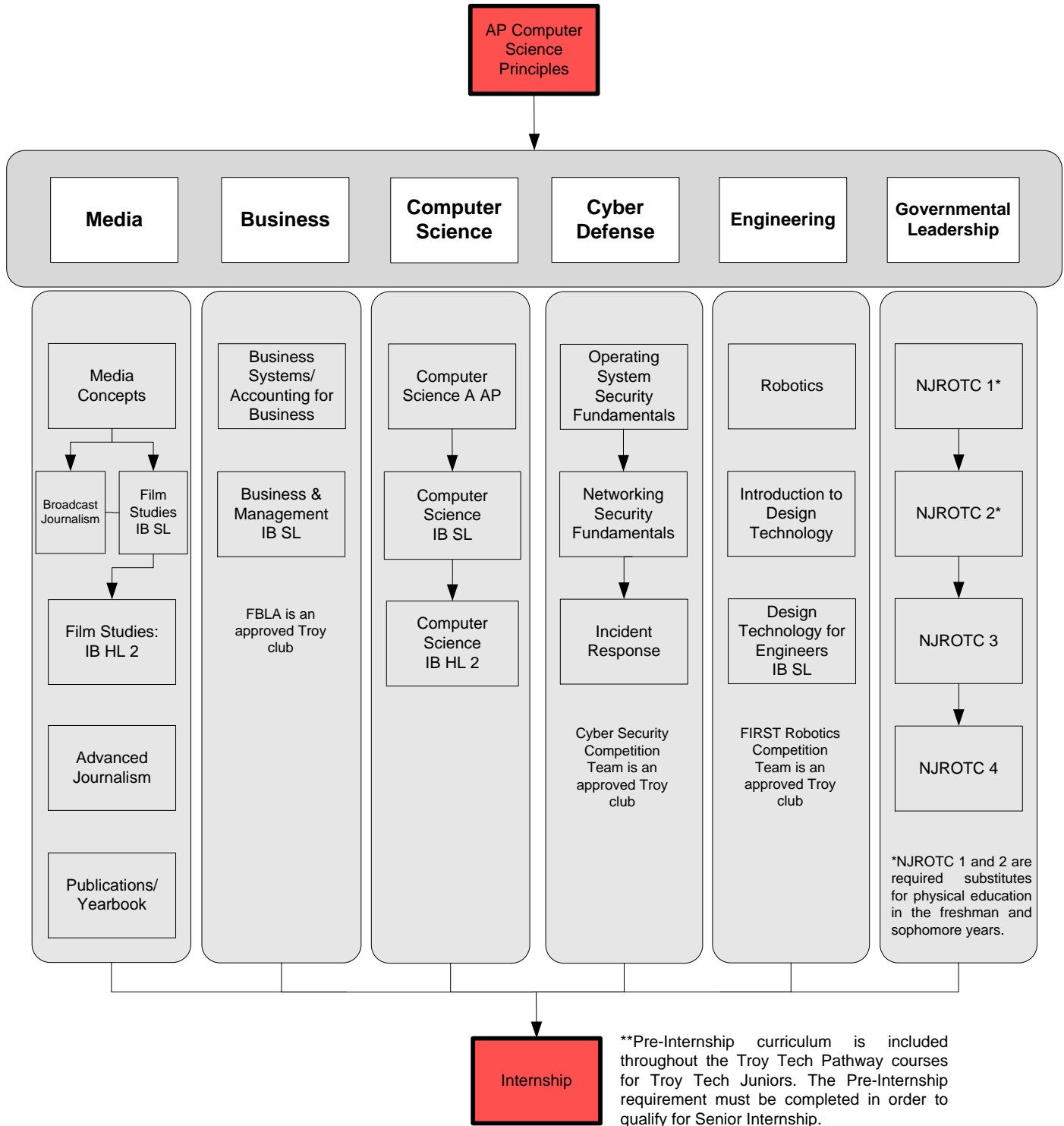
## **Senior Internship: 150 hours**

- 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;
- 320 Troy Tech Senior Interns summer 2016.

## **Awards and Recognition**

- Ranked #10 STEM, #70 Magnet High School in the Nation, *US News and World Report*, 2016
- Champions at Computer Programming Contests including First Place Advanced Division at Code Quest Palmdale 2016, First Place Cal State LA Progfest annually since 2008--competitors include junior colleges, First Place Wittry Contest 2016
- 2016 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 build competition
- CyberPatriot Team – 2016 National Competition 2<sup>nd</sup> and 9<sup>th</sup> Place teams, 2016 National Coach of the Year: Allen Stubblefield
- Student Film *The Pursuit of Happiness*, Directed by Marvin Paguio and Adriana Morales, Featured at Urban Media Makers Film Festival
- Future Business Leaders of America – 9<sup>th</sup> Place team at State Finals 2016; 3<sup>rd</sup> Place Insurance & Risk Management, 2<sup>nd</sup> Place Business Communication, and 6<sup>th</sup> Place Accounting II at Nationals 2016
- NJROTC Best Program in CA and Arizona 2016, 5<sup>th</sup> Best Program in Nation, 400 cadets participating
- Troy Tech students, academic teams, and classes featured in articles in *USA Today*, the *Los Angeles Times*, the *Orange County Register*, as well as in other newspapers and at community events

# Troy Tech Pathways 2016-2017



Troy Tech courses are year-long. This chart shows courses available in each pathway; it does not show course sequencing.