

Magnet High School Options for 2019-2020

ELIGIBILITY/PREREQUISITE FACTORS:

GPA: grades earned in core subjects from 7th grade and part of 8th grade (language arts, math, science and social studies)

Test scores: standardized test scores from 6th and/or 7th grade

Collegiate Academy, IB, and Middleton applicants: Applicants must complete Algebra I or Algebra I Honors (preferred) with a “D” or higher for each semester and the accompanying graduation benchmark (End of Course exam or PERT) prior to the start of ninth grade.

Applications for some magnet schools are based on residential address. Click on "View transportation areas" next to designated themes to see the transportation attendance area for that theme.

Academy of Architectural and Environmental Design Tampa Bay Tech 6410 Orient Rd. Tampa, FL 33610 (813) 744-8360 ext. 236

By providing students with fundamental instruction in the development and design of total building spaces and environments including structural designs and architectural features, and also exterior spaces and landscaping, this program provides an introduction to a myriad of careers relevant to architecture and the use of space. Areas of study include the history and art of design, manual drafting skills, Computer-Aided Drafting (CAD), and three-dimensional drafting.

Academy of Computer Game Design & Computer Systems Engineering / Information Technology *
(STEM: Science, Technology, Engineering, and Mathematics) *Middleton 4801 N. 22nd St. Tampa, FL 33610 (813) 233-3360 ext.225

The **Academy of Computer Game Design program** prepares students for the dynamic world of video game design and animation. Students practice the highest technology skills in Programming, Graphic Design, Management, and 3D Modeling. Students earn Industry Certifications, such as MOS (Microsoft Office Specialist), Adobe Certified Associate-Photoshop, Adobe Certified Associate- Flash, and Autodesk Certification (3D Studio Max or Maya). They also learn complex technology skills that can be transferred to other careers, such as data base development and management for business systems.

In the **Computer Systems Engineering program**, students begin by studying the hardware and software of personal computers in preparation for the nationally recognized A+ Certification Exam. Hands-on labs and virtual desktop learning tools will help students develop critical thinking and complex problem-solving skills. The Cisco CCNA® curriculum will then provide an integrated and comprehensive coverage of networking topics, from fundamentals to advanced applications and services such as cyber-security, while providing opportunities for hands-on practical experience and soft-skills development. Students will be prepared for the CCNA® and CCENT® exams. This program allows students to develop the skills necessary to enter all fields of computer programming and computer engineering at the postsecondary level.

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Academy of Engineering (STEM: Science, Technology, Engineering, and Mathematics) *Middleton 4801 N. 22nd St. Tampa, FL 33610 (813) 233-3360 ext. 225

The Engineering program is a nationally recognized pre-engineering curriculum of Project Lead the Way (www.pltw.org). Courses in this rigorous curriculum include: Introduction to Engineering, Principles of Engineering, Digital Electronics, Computer Integrated Manufacturing, Civil Engineering/Architecture, Aerospace Engineering and Engineering Design & Development. Students use the same industry-leading 3D design software used by companies like Intel, Lockheed Martin and Pixar, such as Autodesk Inventor Autodesk Revit, and AutoCAD.

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Academy of Health Professions Tampa Bay Tech 6410 Orient Rd. Tampa, FL 33610 (813) 744-8360 ext. 236

These thematic, project-based programs in mathematics, science, and medical activities serve students particularly interested in careers in medicine and other health care fields, such as Cardiology, Dental Sciences, Medical Laboratory, Ophthalmology, Nursing, Occupational Therapy/Physical Therapy, Radiology, Veterinary Science, and Alternative Medicine. Mentorships, externships, and shadowing at community agencies, businesses, and university laboratories orient students toward careers in biotechnology, biochemistry, bioengineering, agriscience, bioscience research, and practical nursing.

Arts (Visual / Performing / Communication Arts) Blake 1701 North Blvd. Tampa, FL 33607 (813) 272-3422 ext. 719

Arts (Visual/Communication/Performing)

Blake High School is the premiere high school for performing, visual, and communication arts located in downtown Tampa on the scenic Hillsborough River. In partnership with local mentors, artists, arts organizations, and universities, this program provides students with rigorous arts, technology and academic programs.

Visual Arts

The visual arts program provides an opportunity to study painting, drawing, sculpture, jewelry, digital imagery, photography, ceramics, glass, printmaking, and mixed media. The program allows the student to meet professional artists and engages students in art experiences through partnerships with museums and galleries.

Communication Arts

The communication arts program encourages and develops the unique voice and talent of the student interested in Creative Writing, Print, Broadcast Journalism, and Digital Media production. Students also explore opportunities and careers in the areas of screenplay writing, poetry, fiction, creative nonfiction, public speaking, media production and radio broadcasting.

Performing Arts

Music - The performing arts program offers a wide array of courses which are designed to help students develop their skills for expression. The curriculum includes music programs in Chorus, Guitar, Harp, Band Orchestra and Piano.

Theatre - The theatre program provides a study of Drama, Musical Theatre, Costume Design and Technical Theatre through the performance of plays and musicals.

Dance - The dance program encourages the creative use and development of dance as a medium expression that bring forth the vital aspects of the dancer including creator, writer, interpreter and arts advocate.

Audition Information

Biomedical-Biotechnology / Scientific Research (STEM: Science, Technology, Engineering, and Mathematics) *Middleton 4801 N. 22nd St. Tampa, FL 33610 (813) 233-3360 ext. 225

The Biomedical-Biotechnology program includes a nationally recognized curriculum of Project Lead the Way (www.pltw.org). Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology.

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Business & Finance Leadership Academy New! Jefferson 4401 Cypress St. Tampa, FL 33607 (813) 872-5241 ext. 228

The Business & Finance Leadership Academy incorporates virtual programs such as Knowledge Matters: Virtual Business Management and Personal Finance that gives students a chance to compete nationally with their peers for additional experiences and scholarship opportunities. Advisors play a major role in students education as members of the Academy of Finance Advisory Committee which includes partnerships with the Suncoast Schools Federal Credit Union, the University of South Florida’s College of Business-Department of Finance, and NAF headquartered in New York.

Collegiate Academy *Armwood 12000 E. US Highway 92 Seffner, FL 33584 (813) 744-8040

Lennard 2342 Shell Point Rd. E. Ruskin, FL 33570 (813) 641-5611

Leto 4409 W. Sligh Ave. Tampa, FL 33614 (813) 872-5300

The Collegiate Academy provides students with an opportunity to earn an Associate of Arts degree (A.A.) through Hillsborough Community College in addition to their high school diploma. The students will take college courses, free of cost (including textbooks), during the school day on one of the Collegiate Academy High School campuses. The Academy will not only provide academic preparation but also other types of “college knowledge”, such as self-management of study routines and preparation for assessments; handling the pace and expectations of college courses, and strategic use of resources such as college advisors and ambassadors from local college campuses. Research shows that students who take dual enrollment classes are more likely to graduate from college.

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Culinary Arts leadership Academy **New!Jefferson** 4401 Cypress St. Tampa, FL 33607 (813) 872-5241 ext. 228

The Culinary Arts Leadership Academy equips students with college ready, professional skills needed to excel in life. Students move through the curriculum from the most basic level to the most advanced level with daily application of their acquired culinary skills. Students can earn the National Pro Start Certificate of Achievement, enabling students to learn the art of cooking and restaurant management. Students also can earn the Serve Safe Food Protection Manager. Both meet industry standards and articulate for college credit. Bon Appétit!

International Baccalaureate *Hillsborough 5000 Central Ave. Tampa, FL 33603 (813) 276-5620 ext. 262

King 6815 N. 56th St. Tampa, FL 33610 (813) 744-8333 ext. 281

Robinson 6311 South Lois Ave. Tampa, FL 33616 (813) 272-3006 ext. 244

Strawberry Crest 4691 Gallagher Rd. Dover, FL 33527 (813) 707-7522 ext. 242

The International Baccalaureate Organization has certified this magnet program at the high school level. It is a rigorous pre-university course for the highly motivated student. It offers a comprehensive and integrated academic program and provides the student an opportunity to earn college credits while in high school. The International Baccalaureate Program provides students with the opportunity to acquire a depth of knowledge in literature, science, language and other curriculum areas unlike other elective honor programs.

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Law & Criminal Justice Leadership Academy **New!Jefferson** 4401 Cypress St. Tampa, FL 33607 (813) 872-5241 ext. 228

The Law & Criminal Justice Leadership Academy at Jefferson High School provides an opportunity for students to choose a Law or Criminal Justice focus within their academy. Students will have an opportunity to study constitutional law, court procedures, crime scene investigation, forensic science, international law, criminal law, and the techniques involved in fingerprinting and photographing for evidence collection, based on their chosen academy track. Students are also exposed to a wide variety of legal expertise through guest speakers such as local, state, and federal judges, DEA agents, law enforcement personnel, and attorneys. Students also participate in various curriculum-oriented field trips.

Maritime & Marine Environmental Science Leadership Academy **New!Jefferson** 4401 Cypress St. Tampa, FL 33607 (813) 872-5241 ext. 228

The Maritime and Marine Environmental Science Academy provides an in-depth study in oceanography, marine biology, admiralty law, port and shipping operations, while equipping students with college ready, professional skills needed to excel. Students benefit from honors level curricula, paid internships for on-the-job training, job shadow opportunities, theme focused field trips and have guest speakers, participation in professional clubs, and community service opportunities.

Urban Teaching Academy (UTA)Blake 1701 North Blvd. Tampa, FL 33607 (813) 272-3422 ext. 719

The Urban Teaching Academy (UTA) is a rigorous, four-year high school program for students aspiring to become teachers in urban schools. The program includes academic guidance, practical field experiences, and intensive preparation to be competitive for college scholarships. Topics include but are not limited to public speaking, lesson planning, mintoaching experiences, legal and ethical education issues including Code of Ethics, educational philosophies, assessment, classroom management, instructional technology, and professional dress. Students will complete three to four levels of exploratory field experience electives that includes both on site and off site teaching opportunities. College of education professors and education students from partner institutions will work directly with the UTA teachers and students. Students who meet all expectations for successful completion of the program including a minimum of three years of clinical experience and acceptance into college will be tracked through college and the application process for employment in the Hillsborough district.