Camp Florida Tech 2016
Extraordinary options for SUMMER LEARNING & FUN!
2016 Academic Camps

Florida Tech makes it possible for your child to spend the summer having fun and learning at the same time. With several summer camps to choose from in science, engineering, aviation and business, there’s something for every child’s interests.

Please note: Camps are subject to change. Visit camps.fit.edu for the most up-to-date information.

APPLIED ENGINEERING CAMP

This camp teaches students the hands-on skills they’ll need to turn their ideas and designs into full-size prototypes. Students will learn about a variety of topics like welding, computer-aided drawing and manufacturing software, standard machining equipment and more. Participants put those skills to use creating an RC hovercraft during this week-long camp.

DATES: Session 1: June 13–17
         Session 2: July 11–15

AGES: 16+
INFO: camps.fit.edu

BASIC FLIGHT CAMP

This camp gives students a unique opportunity to explore the vast and exciting world of aviation. Participants learn about the basics of aviation through a variety of lessons in the classroom, simulator and aircraft. Campers have the opportunity to pilot a real aircraft with one of our certified flight instructors as well as participate in field trips and presentations by aviation professionals.

DATES: Session 1: June 13–17
         (Grades 7–9)
         Session 2: June 27–July 1
         (Grades 10–12)
         9 a.m.–4 p.m.

AGES: Grades 7–12
INFO: explore.aviation.fit.edu/flight-camp

APPLICATION

UGV – UNMANNED GROUND VEHICLE APPLICATION

UGV is a vehicle without a human on board. They are used in areas too small or dangerous for humans. Campers will be exposed to systems engineering as well as design of a UGV. Students will have the opportunity to plan a mission and build, program and operate a UGV to complete the mission.

DATES: June 20–24, 8 a.m.–5 p.m.
AGES: Grades 9–12
INFO: camps.fit.edu

INSTRUCTOR TRAINING WORKSHOP

This workshop will provide tools, lesson plans and continuing education for teachers from counties that border the Indian River Lagoon. Over the course of four days, teachers will be engaged in a series of lectures, classroom demonstrations and field activities to help expand their knowledge about the IRL and its ecosystem.

DATES: June 13–16

AGES: Teachers in Brevard, Indian River and Volusia counties
INFO: camps.fit.edu/irlteacher

WHAT WE KNOW: UNDERSTANDING MEDIA AND ITS INFLUENCE

Campers will explore alternative and mainstream media to understand how information is used to create meaning. We will critique the people behind media information to discover the part of the story that’s not being told, and create our own original media messages—to show what we know!

DATES: June 13–17

AGES: Ages 12–17
INFO: camps.fit.edu/understanding-media

ENGINEERING CAMP

This camp is an outstanding introduction to an engineering career. Students witness laboratory demonstrations and conduct well-designed experiments in aerospace, chemical, civil, electrical, mechanical and ocean engineering, as well as computer science, nanotechnology and physics. They also learn about MATLAB, AutoCAD and Pro Engineer.

DATES: Session 1: July 10–15
         Session 2: July 17–22
         8 a.m.–5 p.m.

AGES: Grades 10–12
INFO: camps.fit.edu/engineering

ADVANCED AVIATION ACADEMY

Campers get to explore more advanced aspects of aviation from aircraft simulators to air traffic control and more. Pilot a real airplane with one of our certified flight instructors on a cross country flight to Titusville Regional Airport.

DATES: July 11–15

AGES: Grades 9–12
INFO: explore.aviation.fit.edu/flight-camp

AQUACULTURE, BIOLOGY AND CONSERVATION CAMP

This camp gives students hands-on experience in raising clownfish, seahorses, coral and much more. Campers will enter the world of Florida Tech’s aquaculture and conservation biology professionals and leave with a greater understanding and an appreciation for marine conservation. Participants conduct fun lab experiments and STEM activities. At the end of each day, campers visit other local aquaculture facilities.

DATES: Session 1: June 27–July 1
         Session 2: July 11–15

AGES: 10–13
INFO: research.fit.edu/vbml/outreach/youth.php

COMPUTER CAMP ALPHA: COMPUTING WITH ALICE

Is your student interested in learning how to program in high-demand languages like Java, C++, and C#? Would they like to learn by making movies and video games? In this camp, students get to learn about programming by telling stories and making movies and games using the revolutionary Alice software.

DATES: July 11–15, 9 a.m.–3 p.m.

AGES: Grades 9–12
INFO: cs.fit.edu/academics/summercamp
**FLORIDA TECH SCHOOL OF ROCK**

Are you ready to rock? Join Florida Tech faculty and local professional musicians in an interactive camp all about music, friends and fun. Campers will team up in bands and participate in jam sessions, song writing, classes and private lessons on voice, guitar, bass, drums or keyboard. The camp will conclude with the ultimate gig, a final concert featuring each student band performing popular covers, original songs and a jam session! Camp registration fee includes meals in Panther Dining Hall, band coaching, private instruction, workshops, classes, T-shirt and other gear.

**DATES:** July 11–15  
**AGES:** Ages 12–18  
**INFO:** camps.fit.edu/school-of-rock

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**MARINE AND ENVIRONMENTAL SCIENCE CAMP**

Each day the campers are involved in hands-on activities and field trips to help them learn about the many aspects of marine and environmental science. Activities may include: measuring water quality in the Indian River Lagoon, examining shoreline processes and beach erosion, and studying the effects of pollution on the marine environment.

**DATES:** July 17–23, 9 a.m.–5 p.m.  
**AGES:** 10–18  
**INFO:** camps.fit.edu/dmes

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**COMPUTER CAMP BETA: PROBLEM SOLVING WITH COMPUTING**

How does Google Maps give you driving directions? How does Netflix recommend movies for you to rent? How does your email program identify spam/junk email? In this camp, students learn how to solve real-life problems by designing and writing computer programs in Java. Prior experience in the Java programming language is not assumed.

**DATES:** July 18–22, 9 a.m.–3 p.m.  
**AGES:** Grades 9–12  
**INFO:** cs.fit.edu/academics/summercamp

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**LEAP: LEADERSHIP ADVENTURE PROGRAM**

Who wants to have FUN this summer? Don’t just go to summer camp, ENJOY going to summer camp. You will learn without realizing you are learning! This hands-on environment includes use of the Leadership Reaction Course, climbing wall/rappel tower and construction of a one rope bridge. These events will allow students to immediately apply the leadership skills they learn and translate them into their everyday life.

**DATES:** Session 1: July 18–22  
**Session 2: July 25–29**  
8 a.m.–4:30 p.m.  
**AGES:** Grades 7–8  
**INFO:** fit.edu/professional-development/leadership_series.php

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**AVIATION/AEROSPACE EXPERIENCE**

Participants of this one-week camp experience activities highlighting aspects of both the aviation and aerospace fields. Campers take part in activities and exercises like building and launching their own model rocket and flying to and landing on the shuttle landing strip at Kennedy Space Center!

**DATES:** July 17–23  
**AGES:** Grades 7–12  
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**BASKETBALL CAMPS**

**BILLY MIMS BOYS BASKETBALL CAMP (INDIVIDUAL)**
This highly popular summer basketball camp, designed for individuals ages 6–17, focuses on developing fundamental skills through individual competitions and team games. The Florida Tech coaching staff and players lead the instruction throughout camp.

**DATES:** Session 1: June 20–24  
Session 2: July 11–15  
Session 3: July 18–22

**AGES:** 6–17  
**INFO:** floridatechsports.com/camps/mbasketballcamp

**BILLY MIMS BOYS BASKETBALL CAMP (TEAM)**
This camp is one of Florida's largest and most popular team camps for varsity and junior varsity high school teams. Over 40 high schools from around the state, as well as several international groups, compete against each other for the camp championship decided on the final night.

**DATES:** July 7–10  
**AGES:** 14–18 (Varsity and Junior Varsity Basketball Teams)  
**INFO:** floridatechsports.com/camps/mbasketballcamp

**JOHN REYNOLDS GIRLS BASKETBALL ELITE SKILLS CAMP**
During this camp, players have the opportunity to practice basic fundamental skills, as well as learn more about strategy and various team offensive and defensive systems. Camp features award-winning coaches, 3-on-3 games, free camp T-shirts and individual evaluations.

**DATES:** June 13–17  
**AGES:** Grades 7–12  
**INFO:** floridatechsports.com/camps/wbasketballcamp

**FOOTBALL CAMPS**

**YOUTH FOOTBALL CAMP**
Led by the Florida Tech football coaching staff, this youth camp focuses on improving basic football techniques. Students participate in fun and challenging skill-building activities including receiver and offensive line drills, blocking, agility and quarterback training and an obstacle course.

**DATES:** Session 1: June 6–8  
Session 2: June 13–15  
Session 3: June 20–22  
9 a.m.–3 p.m.

**AGES:** Grades 2–8  
**INFO:** floridatechsports.com/camps/footballcamp

**FOOTBALL 7 ON 7 TEAM TOURNAMENT CAMP**
In this camp, football teams from around the state of Florida compete against each other in a 7-on-7 tournament facilitated by Florida Tech's coaching staff. 7-on-7 contests allow football players to enhance their skills and become better at reacting, pursuing and executing without the player to player contact.

**DATE:** June 11

**AGES:** Grades 9–12  
**INFO:** floridatechsports.com/camps/footballcamp

**FOOTBALL TEAM CAMP**
This three-day, two-night camp brings in four football teams to learn from the professional coaches and trainers of the Florida Tech football coaching staff. Participating teams will learn from Florida Tech football coaches in fully padded practices.

**DATES:** June 24–26  
**AGES:** Grades 9–12  
**INFO:** floridatechsports.com/camps/footballcamp

**FOOTBALL PASSING ACADEMY**
Quarterbacks, running backs, wide receivers, tight ends, linebackers and defensive backs learn skills from Florida Tech coaches and work on the fundamentals of the college football passing game.

**DATES:** July 14–15  
**AGES:** Grades 9–11  
**INFO:** floridatechsports.com/camps/footballcamp

**FOOTBALL PROSPECTS CAMP**
This one-day camp is designed to give high school athletes who are interested in playing football in college the opportunity to get in front of college coaches and recruiters.

**DATES:** Session 1: June 16  
Session 2: July 16

**AGES:** Grades 9–12  
**INFO:** floridatechsports.com/camps/footballcamp

**FOOTBALL SPECIALISTS CAMP**
This camp is designed for kickers, punters and long snappers looking to better their skills through coaching in the film room and on the practice field.

**DATES:** June 28–29  
**AGES:** 14–18  
**INFO:** floridatechsports.com/camps/footballcamp
**SOCCER CAMPS**

**YOUTH SOCCER CAMP (BOYS AND GIRLS)**

During the week, soccer players get a crash course in soccer techniques and game competition. Led by the Florida Tech coaching staff, this camp features technical training in areas such as shooting, handling, sprinting, crossing and passing, as well as scrimmage play and ending with a World Cup tournament.

**DATES:**
- Session 1: May 31–June 3
- Session 2: June 7–10
- Session 3: July 26–29

**AGES:** 5–14

**INFO:** floridatechsports.com/camps/wsococcamp

**MEN'S ELITE SOCCER CAMP (OVERNIGHT)**

Using the Global Method of Coaching, this camp incorporates the technical, tactical, physical and psychological aspects of the game with big focus on preparing for the collegiate level. Instructors also provide lectures on the recruiting process, strength and conditioning workouts and agility workouts.

**DATES:** July 17–20

**AGES:** Grades 9–12

**INFO:** floridatechsports.com/camps/msoccercamp

**WOMEN'S SOCCER ID CAMP (OVERNIGHT)**

This camp includes technical training sessions that recreate the collegiate soccer environment. Evening sessions are dedicated to games. Florida Tech soccer coaching staff also provides daily lectures in a classroom setting on the college recruiting process.

**DATES:** June 24–27

**AGES:** Grades 9–12

**INFO:** floridatechsports.com/camps/wsococcamp

**SWIMMING CAMPS**

**PANTHER SWIM SCHOOL**

Our program aims to educate both children and parents about water safety training and proper swimming techniques and is appropriate for novice to intermediate swimmers. Each of our classes is adapted to your child’s specific needs.

**DATES:**
- Session 1: June 6–July 1
- Session 2: July 11–Aug. 5

**9 a.m.–6 p.m.**

**INFO:** floridatechsports.com/camps/swimming

**FLORIDA TECH SWIMMING STROKE CAMP**

This camp is geared toward swimmers with the desire to improve stroke techniques in the sport of swimming. The camp is instructed and supervised by the Florida Tech Swimming coaching staff and current student-athletes. Campers will enjoy instruction, conditioning and individual skill instruction.

**DATES:**
- Session 1: June 20–24
- Session 2: July 18–22

**7:30 a.m.–11:30 a.m.**

**AGES:** 10–18

**INFO:** floridatechsports.com/camps/swimming

**FLORIDA TECH ELITE SWIMMING CAMP**

This camp is geared toward swimmers with the desire to improve in all aspects of the sport of swimming. The camp is instructed and supervised by the Florida Tech Swimming coaching staff and current student-athletes. Campers will enjoy instruction, conditioning, lunch and fun activities every afternoon. Each camper will receive a 30-minute individual skill session with the coaching staff.

**DATES:**
- Session 1: June 13–17
- Session 2: July 11–15

**8 a.m.–4 p.m.**

**AGES:** Grades 9–12

**INFO:** floridatechsports.com/camps/swimming

**MASTERS SWIMMING**

Masters Swimming is great for all levels of swimming to exercise and improve cardiovascularly. The sessions will be technique and aerobic endurance based. The sessions will be instructed by Florida Tech Swimming Coaching Staff.

**DATES:** May 16–July 29, 7:40–8:40 a.m.

**AGES:** All Ages

**INFO:** floridatechsports.com/camps/swimming

**MULTIPLE SPORTS**

**ALL SPORTS CAMP FOR BOYS AND GIRLS**

This camp is designed to teach basic to advanced skills in swimming, along with instruction and recreational play in the following sports: soccer, volleyball, basketball, noodle water polo, flag football, kickball, dodgeball and whiffleball. The emphasis of the camp is on team recreational play, safety and fun. All skills taught are intermingled with games to help make the sport fun.

**DATES:** June 6–10, 8:30 a.m.–Noon

**AGES:** 6–16

**INFO:** floridatechsports.com/camps/allsportcamp

**SPIKE, SWING & SWIM CAMP**

Want your student to participate in a sports camp, but can’t decide on which sport they should play? In this camp, students receive instruction from the Florida Tech coaching staff in three different sports—tennis, volleyball and swimming. Along with learning the ropes of these sports, students also engage in team games and activities.

**DATES:** June 6–10, 9 a.m.–5 p.m.

**AGES:** 8–13

**INFO:** floridatechsports.com/camps/tenniscamp
VOLLEYBALL CAMPS

VOLLEYBALL CAMP
This camp focuses on reinforcing and building upon the fundamentals of the game. Students will receive daily instruction in passing, setting, footwork, team defense and offense.

Dates: July 28–30, 9 a.m.–Noon
Ages: Grades 9–12
Info: floridatechsports.com/camps/volleyballcamp

ADVANCED ATTACKING CAMP
This camp is for attackers as well as outside, right side and middle blockers to focus on improving technique, transitioning and speed of attacks.

Dates: July 28–30
Ages: Grades 10–12
Info: floridatechsports.com/camps/volleyballcamp

VOLLEYBALL YOUTH CAMP
This camp focuses on building the foundation for future success in all aspects of the game: serve, pass, spike, block, set and dig.

Dates: July 25–27, Noon–4 p.m.
Ages: Grades 3–8
Info: floridatechsports.com/camps/volleyballcamp

VOLLEYBALL TEAM CAMP
A great way for coaches to test lineups and assess game situations against other teams. This three-day camp for teams focuses on serve-receive, transition offense, defense and out-of-system play against other teams.

Dates: Aug. 1–3
Ages: Grades 9–12
Info: floridatechsports.com/camps/volleyballcamp

OTHER SPORTS

BOYS LACROSSE CAMP
This camp covers the basics of lacrosse, instructed by the Florida Tech Men's Lacrosse coaching staff. Topics include catching, throwing, dodging, shooting, ground ball play, position defense, defensive checks, offensive and defensive team concepts.

Dates: June 20–24
Ages: Grades 3–12
Info: floridatechsports.com/camps/lacrossecamp

SNORKELING CAMP
This snorkeling camp is a lead-in to scuba diving, taught in a safe, educational and fun environment. This camp teaches the fundamentals of snorkeling, including emphasis on proper usage of mask, fins and snorkel. All skills are intermingled with pool games. There is also an introduction to basic first aid and environmental conservation.

Dates: June 13–17, 8:30 a.m.–Noon
Ages: 6–13
Info: floridatechsports.com/camps/snorkelingcamp

SOFTBALL PROSPECTS CAMP
This is an advanced overnight camp for athletes looking to play softball in college.

Dates: July 17–20
Ages: 12–18
Info: floridatechsports.com/camps/softballcamp

SOFTBALL CAMP
Up your student’s softball game with Florida Tech’s softball coach Val Silvestrini! This camp covers all fundamentals of the game including throwing, catching, fielding, hitting and all defensive positions. Students are assigned to different groups according to age and skill level. Beginners, intermediate and advanced players are encouraged to attend.

Dates: Session 1: June 13–16
9 a.m.–4 p.m.

Session 2: June 20–23
9 a.m.–4 p.m.

Ages: 8–14
Info: floridatechsports.com/camps/softballcamp

VOLLEYBALL DEFENSE AND SETTING CAMP
This intense camp focuses on developing a player’s ability to read the game and deliver consistently in different demanding in-game situations.

Dates: July 28–30
Ages: Grades 9–12
Info: floridatechsports.com/camps/volleyballcamp

TENNIS AND CHESS CAMP
This is a full-day camp where participants learn the fundamentals of tennis as well as chess. Each camper receives lunch daily as well as a T-shirt. Campers also have time to cool down during the day at Panther Aquatic Center.

Dates: June 13–17, 8:30 a.m.–5 p.m.
Ages: 7–18
Info: floridatechsports.com/camps/tenniscamp

ATHLETIC TRAINING CAMP
This camp provides high school students with the opportunity to learn a wide variety of athletic training and emergency care skills from the nationally certified and Florida state licensed athletic training staff at Florida Tech.

Dates: June 27–July 1, 8 a.m.–Noon
Ages: 14–18
Info: floridatechsports.com/camps/athletic-training

FLORIDA TECH TRIATHLON CLINIC
Florida Tech Triathlon Clinics are focused on improving technical and endurance skills for all lengths of triathlons. All skill levels are welcome and clinic sessions are geared toward improvements in all areas. Topics such as racing strategy, training methods and technique will be discussed at length. The clinics are instructed by Florida Tech Swimming coaching staff.

Dates: May 20, June 25, 7:30–10:30 a.m.
Ages: All Ages
Info: camps.fit.edu
2016 Art Camps

Foosaner Art Museum’s unique summer art camps for kids emphasize learning through direct observation of art and thoughtful art activities designed by professional art instructors and inspired by current exhibitions and the permanent collection. Each of the summer art camps introduces students to the fundamental concepts of art and also to some of the ideas and practices behind modern art. Our instructors lead activities based on art currently on display in the gallery.

Please note: Camps are subject to change. Visit camps.fit.edu for the most up-to-date information.

MORNING ART CAMPS

Morning session classes are designed for children to explore and experience a variety of art media. Instructors teach the creative process through problem-solving, teamwork and individual expression. These mixed-media classes are perfect for campers at all skill levels. Topics include art appreciation, museum etiquette and mixed-media arts (painting, drawing, sculpture, fiber art).

DATES: June 9–July 31, 9 a.m.–Noon Tuesday–Friday
AGES: Rising Preschoolers–6th Grade
INFO: foosanerartmuseum.org/summer-art-camp.php

AFTERNOON ART CAMPS

Afternoon camps explore a specific medium each week. Is your student fascinated by the paintbrush? Enthralled with pottery? These programs are great for the young artist, grades 1–6, who is interested in a specific art form, such as printmaking, 3D art, drawing or painting. No prior experience is necessary and all levels are welcome!

DATES: June 9–July 31, 1–4 p.m. Tuesday–Friday
AGES: Rising Grades 1–6
INFO: foosanerartmuseum.org/summer-art-camp.php

FULL-DAY ART CAMPS

Young artists may choose to spend a full day at the museum by combining the Summer Morning Camp and Summer Afternoon Camp. A packed lunch is enjoyed with friends and instructors for one hour between noon and 1 p.m. along with some creative rest and relaxation. Topics include art appreciation, museum etiquette, mixed-media arts (painting, drawing, sculpture and fiber art), printmaking, drawing, painting and 3-D art.

DATES: June 9–July 31, 9 a.m.–4 p.m. Tuesday–Friday
AGES: Rising Grades 1–6
INFO: foosanerartmuseum.org/summer-art-camp.php
2016 Other Camps

Our beautiful beach weather and top-notch facilities make Florida Tech the perfect place to hold a summer camp. From our Scott Center to outside organization camps, summer is the perfect time for your child’s visit to campus.

Please note: Camps are subject to change. Visit camps.fit.edu for the most up-to-date information.

COLLEGE INTERNSHIP PROGRAM

High School and Beyond High School summer programs are for young adults with Asperger’s, High Functioning Autism, ADHD, nonverbal and other learning differences to get a taste of independence while residing on a highly rated college campus.

DATES: Session 1: June 12–24
(Beyond high school)
Session 2: June 26–July 8
(High school summer program)

AGES: 14–25
INFO: cipworldwide.org/cip-brevard/brevard-overview

WELSPRING FLORIDA

Wellspring Florida is the first and only scientifically based summer fitness and weight loss camp in Florida, and one of the most effective weight loss programs in the world. Boys and girls ages 10–18 join with a professional and highly qualified staff to become long-term weight controllers while having an amazing summer! Rapid and dramatic weight loss is achieved through a fun and comprehensive program. 3, 6 AND 9 WEEK SESSIONS ARE AVAILABLE

DATES: May 17–Aug. 1
AGES: 10–24
INFO: www.wellspringcamps.com/florida

HARMONY EXPLOSION CAMP

The Sunshine District of the Barbershop Harmony Society is sponsoring a three-day summer music camp for Florida high school boys and girls, and their music educators. Campers experience the very best of a cappella singing in the barbershop style taught by professional clinicians and amazing teaching quartets. In addition to music classes, students and music educators are given the opportunity to join the mixed chorus finale number with members of the Barbershop Harmony Society, Sweet Adelines, Inc. or Harmony, Inc.

DATES: June 16–19
AGES: Grades 9–12
INFO: sunshinedistrict.org/student-activities/harmony-explosion

iBRICK ACADEMY LEGO ROBOCAMP

iBrick Academy Lego RoboCamp is a STEM camp that features simple/mechanical machines and robotics all done with LEGO Education sets. This year, the camp will include the NEW EV3 LEGO Mindstorm Robotics. Campers will receive a free T-shirt and will have a great time doing hands-on robotics.

DATES:
Session 1: July 11–15
Session 2: July 18–22
Session 3: July 25–29
AGES: 7–14
INFO: www.ibrickacademy.com