2005 PROGRAM GUIDE

SPACE CAMP & AVIATION CHALLENGE





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2005 Early Bird Tuition Special* *The sooner you register, the more you save!*

PROGRAM	REGISTER F	ROM
	Sep 1-Nov 15	Nov 16-Dec 31
SPACE CAMP MACH I	SAVE \$150	SAVE \$75
SPACE ACADEMY MACH II	SAVE \$150	SAVE \$75
ADV. SPACE ACADEMY MACH III	SAVE \$150	SAVE \$75

*Not good with any other discounts. Excludes 3-Day, 13-Day, Parent/Child, Adult, Group and Educator Programs.

For more information or to register, please contact one of our account executives listed on the back cover.



PROGRAMS

AGES 9-11

9 SPACE CAMP

Astronaut training for kids ages 9-11, choose your track: Space, Space & Aviation or Space & Robotics!

9 AVIATION CHALLENGE MACH I High-performance fun for ages 9-11

AGES 12-14

10 SPACE ACADEMY

Shuttle Mission training for ages 12-14. Choose your track: Space, Space & Aviation or Space & Robotics!

11 MACH II

TOPGUN competition for ages 12-14

AGES 15-18

12 ADVANCED SPACE ACADEMY

Extended duration missions! Choose your track: Pilot, Pilot/SCUBA or Mission Specialist.

13 MACH III

The ultimate aviation rush for ages 15-18

PARENT/CHILD PROGRAMS

13 PARENT/CHILD SPACE CAMP A weekend for just the two of you!

15 PARENT/CHILD AVIATION CHALLENGE

Get away and do something really special together!

SPECIAL PROGRAMS

15 SPACE CAMP & AVIATION CHALLENGE FOR VISUALLY- & HEARING-IMPAIRED STUDENTS It's an inspirational experience!

SESSION DATES

BACK COVER 2005 Session Dates



TUITION

SPACE CAMP (Ages 9-11) Space & Robotics Track Space & Aviation Track Space Only Track 3-Day Program 6-Day Program

am \$ 899

\$ 399

SPACE ACADEMY (Ages 12-14)	
6-Day Program \$	899
Space & Robotics Track	
Space & Aviation Track	
Space Only Track	

13-Day Program Alumni Track New Trainee Track

\$1**599**

ADVANCED SPACE ACADEMY

(Ages 15-18) **6-Day Program** Pilot Track Pilot with SCUBA Track Mission Specialist Track

13-Day Program

к \$1799

\$ 999

\$ 399

\$ 899

Alumni Pilot Track New Trainee Pilot Track Alumni Mission Specialist Track New Trainee Mission Specialist Track

AVIATION CHALLENGE MACH I

(Ages 9-11) Blue Angels Track Thunderbirds Track Civilian/Commercial Track **3-Day Program 6-Day Program**

AVIATION CHALLENGE MACH II

(Ages 12-14) Alumni Track New Trainee Track 6-Day Program \$ 899 13-Day Program \$1599

AVIATION CHALLENGE MACH III (Ages 15-18) Alumni Track New Trainee Track

6-Day Program \$ 999 13-Day Program \$1799

PARENT/CHILD PROGRAM TUITION IS LISTED ON PAGE 13.



Established in 1965 by the State of Alabama, empowered by the U.S. Congress and supported by the National Aeronautics and Space Administration, the U.S. Space & Rocket Center * is the nation's leading handson space science museum. Since 1982, the U.S. Space & Rocket Center has fostered national and international outreach programs through the U.S. SPACE CAMP *, SPACE ACADEMY* (1984), ADVANCED SPACE ACADEMY* (1997) and AVIATION CHALLENGE* (1990) programs and through creation of the U.S. Space Camp Foundation (1987), a non-profit, educational organization. U.S. SPACE CAMP *, U.S. SPACE ACADEMY* U.S. SPACE ACADEMY*, ADVANCED SPACE SPACE CAMP*, SPACE ACADEMY*, ADVANCED SPACE ACADEMY*, AUXIATION CHALLENGE* and SPACE GAMP* are registered trademarks and service marks of the U.S. Space & Rocket Center - All rights reserved. Entire contents copyrighted* 2004 Alabama Space Science Exhibit Commission. No reproduction of photographs permitted without written permission. Program material may be excerpted for news media coverage without permission. The U.S. Space & Rocket Center and U.S. Space Camp Foundation do not discriminate on the basis of race, color, national origin; sex, religion, age, citizenship, physical or mental disability, or status as a disabiled veteran or veteran of the Vietnam era, or any other reason prohibited by law in employment or the provision of services.

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SPACE CAMP[®] & AVIATION CHALLENGE[®] **YOUTH APPLICATION FORM** 2004-2005

When reserving by phone, complete this application and note your confirmed session date and camp account number: Session Date:

Camp Account #: _

IMPORTANT: Incomplete applications delay registration and may result in missing desired session date. If paying by credit card, make sure credit card information is complete. If paying by check or money order, please make sure full payment is enclosed and make photocopies of all documents before sending.

Send completed application with full payment to: U.S. SPACE CAMP RESERVATIONS, P.O. BOX 070015, HUNTSVILLE, AL 35807-7015

For	immediate	and	personal	attention,	please	call or	r e-mail	one	of
our	account ex	ecuti	ives listed	l below:					

Geoff VanZoeren	1-888-831-6292	geoffv@spacecamp.com
Dionne Liner	1-800-241-5099	dionnel@spacecamp.com
Blake Mathis	1-800-241-5104	blakem@spacecamp.com
Mechele Woodall	1-800-241-5086	mechelew@spacecamp.com
David Petrak	1-888-831-6301	davidp@spacecamp.com

CHECK PROGRAM ATTENDING:														
	friend and want to be on the same team, y													
SPACE CAMP [®] (3-Day)	SPACE ACADEMY® (13-Day) Select track option: Alumni New	AVIATION CHALLENGE® MACH I (3-Day) AVIATION CHALLENGE® MACH I (6-Day) Select track option												
□ SPACE CAMP* (6-Day) Select track option for 6-day program, indicate 1st & 2nd choice: Space & Robotics	ADVANCED SPACE ACADEMY® (6-Day) Select track option, indicate 1st & 2nd choice: Pilot Pilot/SCUBA	ThunderbirdBlue Angel Commercial/Civilian												
Space & Aviation Space	Mission Specialist	AVIATION CHALLENGE® MACH II Select track option: Alumni New	🖵 6-Day 🛛 13-Day											
PARENT/CHILD SPACE CAMP® SPACE ACADEMY® (6-Day)	ADVANCED SPACE ACADEMY® (13-Day)													
Please select track option, indicate 1st &	Select track option: Alumni Pilot New Pilot	Select track option: Alumni Net	₩											
2nd choice: Space & Robotics Space & Aviation Space	Alumni Mission Specialist New Mission Specialist	PARENT/CHILD AVIATION CHALLENGE®												
	New Mission Specialist													
SESSION DATE PREFERENCE:		PURCHASE AND PAYMENT:												
1ST CHOICE		TUITION: (See page 2)	\$											
APPLICANT INFORMATION (P	LEASE PRINT)	REGISTRATION FEE (Nonrefundable)	\$ 50											
		OPTIONAL CLOTHING: \$80 each												
Child's Name: Last	First Middle	CLOTHING SET Size: Quantity:	@\$80											
Adult's Name: (if registering for Parent/Child Pro	aram)	FLIGHTSUIT Size: Quantity:	@\$80											
		"LIFT OFF" CD (Special Trainee Offer)	\$ 24											
Last Fin	rst Middle	CLOTHING & "LIFT OFF" CD	\$ 100											
Address:		TEAM MISSION PATCH : \$ 10 each (SPACE												
City: S	tate: Zip:	SPACE ACADEMY, Advanced SPACE ACADEMY & A CHALLENGE MACH I, II, III) Quantity:	@ \$ 10											
Sex: Date of Birth:		TRANSPORTATION FEE (To & from airport)	\$ 25											
Age: (at time of camp)	Grade currently attending:	EARLY ARRIVAL: (No earlier than the day before camp starts)	\$ 79											
Home phone: ()		LATE DEPARTURE:	\$ 79											
Business phone: ()		(No later than the day after graduation)	• • •											
Cell phone: ()		TOTAL	5											
Pager: ()														
Fax: ()		FORM OF PAYMENT: Check or M AMERICAN EXPRESS MASTERCA												
E-Mail:		ACCOUNT NUMBER:												
How did you hear about us? (Source Code from	yellow box on program literature or other):													
Have you talked with one of our account execu	itives? If so, who? (nlease circle)	EXPIRATION DATE:/												
Dionne Liner Blake Mathis David Petral		Signature Required												
Enter discount code (if any):		$\label{eq:please} \ensuremath{\text{Please}}\xspace \ensuremath{\text{print}}\xspace \ensuremath{\text{name}}\xspace \ensuremath{\text{as it appears on credit}}\xspace$	card:											
Are you a returning camper? If so, what year(s) _														
Enter discount code, if any:		Billing Address (if different from trainee re	gistration form)											
Parent/Guardian:														
Employer:														
WorkTitle:	ſ	Would you like to give to the SPACE CAMP Mis	sion Center Fund?											
		\$10 \$25 \$50 \$10												
Emergency contact:		Would you like to give to the Save the Saturn												
Relationship: Phone: (*Individual(s) authorized to sign out trained	//													
"inuividual(s) authorized to sign out traine	ee ouring session/arter graduation:	Would you like to support the SPACE CAMP En												

YOU'LL FEEL LIKE YOU'RE IN SPACE WHILE TRAINING IN OUR NEW MISSION CENTER COMPLEX!

Stardrop LED Curtains • Daylight/Darkness Lighting • One-way Glass Viewing Walls • ISS Mission Control and Hydroponics Modules • White Rooms • Additional ISS Modules • Educator Viewing Room

United States



A TEN

NEW for 2005!







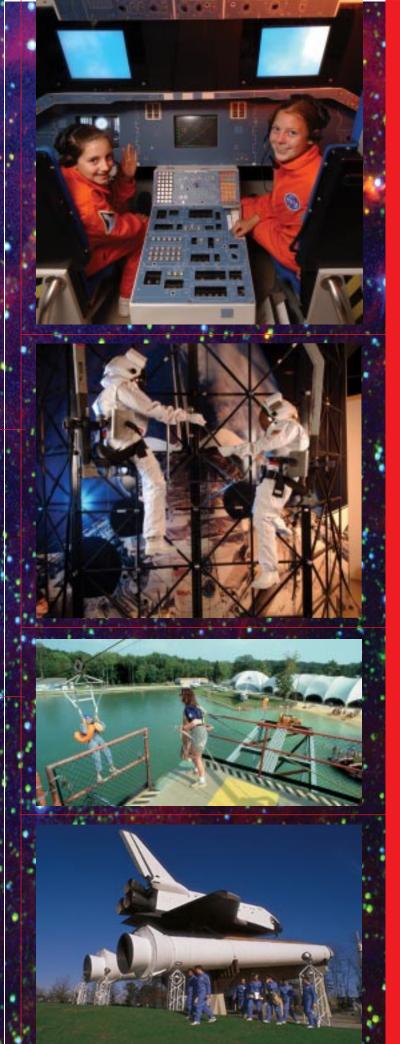






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MISSIONS AT SPACE CAMP® & AVIATION CHALLENGE®

Founded in 1982, SPACE CAMP[®], and AVIATION CHALLENGE[®] (1990), located in Huntsville, Ala., use space and aviation as a platform to excite and educate children ages 9 through 18, in the fields of math, science and technology.

SPACE CAMP programs range from 3-13 days, during which teamwork, self-confidence and communication will be achieved through state-of-the-art simulations, missions, rocket-building and robotics.

AVIATION CHALLENGE programs range from 3-13 days, during which teamwork, self-confidence and communication will be achieved through state-of-the-art high-performance jet simulation, scenario-based missions, land and water survival training, and flight dynamics.

In addition to program-specific training, attendees will experience all that the U.S. Space & Rocket Center Museum has to offer.

The cost of the camp includes all meals, lodging, program materials and activities. SPACE CAMP and AVIATION CHALLENGE have 24-hour medical and security staff on site.

Check out all SPACE CAMP[®]/AVIATION CHALLENGE[®] Programs and view images @ www.spacecamp.com.



For immediate and personal attention, please call or e-mail one of our account executives listed below:

 Geoff VanZoeren
 1-888-831-6292

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 1-800-241-5099

 Blake Mathis
 1-800-241-5104

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 1-800-241-5086

 David Petrak
 1-888-831-6301

geoffv@spacecamp.com dionnel@spacecamp.com blakem@spacecamp.com mechelew@spacecamp.com davidp@spacecamp.com

FACILITY & REGISTRATION INFORMATION

SPACE CAMP®

U.S. SPACE CAMP opened in Huntsville, Ala. in 1982; and the AVIATION CHALLENGE program began operation in June 1990. The U.S. Space & Rocket Center[®] (USSRC) is an entity of the State of Alabama. It is governed by the Alabama Space Science Exhibit Commission.

The USSRC, U.S. SPACE CAMP and AVIATION CHALLENGE are primarily self sufficient with added support from corporate partners. The USSRC is the official NASA Visitor Center for the Marshall Space Flight Center (MSFC) and receives no direct federal funding for operational support. NASA/MSFC does, however, supply technical assistance and expertise.

AVIATION CHALLENGE®

The U.S. Space & Rocket Center[®] (USSRC) is an entity of the State of Alabama. It is governed by the Alabama Space Science Exhibit Commission. The USSRC and AVIATION CHALLENGE do not receive federal or military funding for operational support.

AGE/GRADE APPROPRIATENESS

Since opening in 1982, we have gathered a wealth of experience developing and providing curriculum that is age appropriate and grade specific. Reading levels, cognitive learning skills, and emotional maturity are just a few of the factors we have used over the years to develop programs that will not only be fun, but "comfortable" for young people of all backgrounds. For example, we make every effort to arrange teams so that each trainee has an age or grade in common. We know from experience, that a trainee is not going to enjoy our camp if he or she is intimidated by older students, or can't keep up with the intellectual or physical demands of a level higher than what we have designed for them.

Please help us achieve the very best experience possible for your child by enrolling him or her in the camp that corresponds with his or her age and/or grade requirements.

COUNSELOR TRAINING AND QUALIFICATIONS

You are entrusting us with your child's security and well-being. Our rigid standards for hiring qualified counselors, as well as training them, have been established to ensure that each trainee enjoys a safe, fun and educational experience. A minimum of two years of college, or equivalent experience, is mandatory for all counselors.

While a significant percentage of our staff are education majors, others have degrees or are pursuing degrees in business, science, math or the liberal arts. The common thread they all share is they want to work with children. Many staff members have actually gone through our camp programs as trainees.

Every potential counselor must pass a comprehensive background check, preemployment attitude test and drug screening prior to employment. Once employed, and before they ever meet a trainee, all program staff members receive extensive training in the following areas: program facts and history, simulator safety and operation, proper discipline techniques, and age-specific behavioral characteristics.

All counselors are closely supervised and are evaluated weekly at the end of each camp session by their team members. We encourage parents to meet program staff members at registration and graduation.

SECURITY & SAFETY

Camp supervisory staff and separate uniformed security staff are on site 24 hours-aday, seven days-a-week when camp is in session to ensure the trainee's safety. At no time are trainees allowed off site, individually or as a group, without an accompanying adult. Off-site trips are limited to those included in the program curriculum. Security of personal items is the camper's responsibility. **Do not bring items of high value to camp.** Cell phones, DVD/CD players, etc. are not permitted. Most hallways and common areas are monitored by security cameras.

The safety of all trainees has always been, and will continue to be, of utmost importance. Counselors highly trained and certified in the proper use of all simulators ensure that trainees have a safe and enjoyable experience.

Each simulator is built to the highest standards and equipment is safety-checked daily and maintained by professional technicians. Each enclosed simulator is equipped with smoke detectors and emergency stop buttons. It is mandatory that trainees wear safety helmets when using most of the astronaut training equipment. (*Note: spaceflight simulators may cause motion sickness.*) A four- foot minimum height is required for simulators used in program curriculum. Maximum weight for astronaut training simulators is 260 pounds per person.

MEDICAL STAFFING

Medical staff is on site 24 hours daily for all weeklong youth programs. All medications for weeklong campers (prescription, over-thecounter, vitamins, herbal) are collected during registration and dispensed as directed, by you or the prescribing physician. They must be in their original containers with labels and instructions in English. Trainees requiring injections must provide medications; syringes; and legible, signed instructions from your physician.

Should your child require medical attention, you may ask us not to use or disclose any part

of your protected health information for the purposes of treatment or healthcare operations. You may also request that any part of your protected health information not be disclosed to family members or friends who may be involved. Your request must state the specific restrictions requested and to whom you want the restrictions to apply.

Medical-related questions may be directed to the Nursing Staff at (256)721-7162.

SPECIAL NEEDS ACCOMMODATIONS

Every effort is made to accommodate individuals with special needs, including those who are hearing or visually impaired, those with special dietary requirements or individuals in wheelchairs.

To learn more about our capabilities, please call our medical staff at (256) 721-7162; or our dietary staff at (256) 721-7139. We require advance notice on our health form if trainee is a special-needs attendee.

HOUSING

SPACE CAMP trainees are housed in the Space Habitat, a futuristic space station mock-up, in individual rooms of up to seven persons or bays of 20-40 beds. The Habitat complex accommodates 800 people at full capacity, so a certain amount of noise is to be expected.

The Aviation Challenge Hangar houses up to 30 trainees in military-style bays. Counselors are housed with trainees in each bay.

Bed sheets, blanket, pillow and pillowcase are provided. Towels/washcloths are not provided. Bring a beach towel for water activities. Each trainee will have an assigned locker. Please bring your own lock. Restrooms are located throughout the complex with access to sinks, private shower stalls and private toilets.

MEALS

Breakfast, lunch and dinner are provided in a common dining area from the afternoon/ evening of arrival up to graduation. At each meal, we offer a variety of foods to appeal to different preferences. Snacks and soft drinks are also available at various sites within the facility at the trainee's expense.

We try to accommodate trainees with healthrelated dietary restrictions and request a twoweek advance notification. If the dietary requirements exceed our capabilities, trainees can bring their own food and/or pay the additional cost of meeting those needs. Do not send food to camp with the trainee unless it is to accommodate health-related dietary needs. We do require a two-week advance notice if the trainee will be bringing food for health reasons.

To notify our dietary staff or to discuss any health-related dietary restrictions, please



contact the Food Service Department at (256) 721-7139, or email us at: specialdiets@spacecamp.com.

HOW TO REGISTER

Early registration for summer sessions is encouraged. Reservations are made through our Reservations Center in Huntsville, Ala.; on line at www.spacecamp.com; or through one of our Account Executives listed on the back cover. A \$50.00 non-refundable registration fee is required. We offer four (4) ways to register:

1. ON LINE (credit card purchase only) Visit our website at: www.spacecamp.com. Click on "Register On Line"

2. TELEPHONE (credit card purchase only) Complete the application form on page 3 of this brochure. Call 1-800-63 SPACE (7-7223). International calls: 1-256-721-7150. Please have completed application form and credit card handy.

3. FAX (credit card purchase only) Fax completed application form to 1-256-890-3369. Make sure credit card information is complete.

4. MAIL Complete the application form on page 3 of this brochure and mail with payment (credit card, check or money order) to:

U.S. SPACE CAMP Reservations P.O. Box 070015 Huntsville, AL 35807-7015

IMPORTANT: Incomplete applications delay registration and may result in missing desired session date. Health and Transportation Forms must be received no later than 30 days prior to beginning of session or your registration is subject to cancellation.

MULTI-FAMILY DISCOUNT

When more than one child from the same family attends any weeklong program during the same session week, one child will attend at full tuition, and each additional child will receive a 10% discount. This discount cannot be combined with any other discount or promotion.



SCHOLARSHIPS

U.S. SPACE CAMP/AVIATION CHALLENGE SCHOLARSHIP PROGRAM: Scholarships are available to students in fourth through twelfth grades. To be considered for a scholarship, students must submit a current scholarship application form and required accompanying materials.

Requests for applications are currently being accepted at 1-800-63 SPACE, however mailing will not begin until October 15, 2004. At that time, applications will also be available online at: www.spacecamp.com.

Completed applications must be postmarked by January 7, 2005, to be considered. All applicants will be notified of results by April 7, 2005. *For more information, write to:*

Scholarship Office U.S. SPACE CAMP P.O. Box 070015 Huntsville, AL 35807-7015

or e-mail: scholarships@spacecamp.com

PAYMENT OPTIONS

We offer three (3) options:

1. CREDIT CARD: You may pay by credit card when registering on line, by phone, fax or mail. Be sure to complete all credit card information on application form. We accept VISA, MasterCard, Discover and American Express.

2. CHECK OR MONEY ORDER: If registering by mail and you wish to pay by check or money order, please include the full amount payable to: U.S. Space & Rocket Center.

3. PAYMENT PLAN: Call 1-800-63 SPACE for details.

REFUND/CANCELLATION POLICY

In the event you must cancel your reservation, you will receive a refund as defined below:

- Cancellation notice must be submitted in writing.
- Registration fee is non-refundable.

- Refund will be issued in the same manner payment was made.
- 90% of tuition paid will be refunded if written notice is received no later than four weeks prior to session start date.
- Cancellations received within four or less weeks of session start date forfeit full tuition.
- Cancellation requests due to illness or accident prior to the camp session start date require a physician's written verification. Upon receipt of verification, we will issue a full refund.
- Cancellations due to personal reasons, etc. will not receive a refund.
- Trainees who leave during a session **WILL NOT** receive a refund.

We reserve the right to cancel a session date if participation numbers are not adequate. You may select an alternative session date, or you may request a full refund of tuition paid. Cancellation of sessions will occur a minimum of four weeks prior to session.

TRANSFER REQUESTS

All session transfer requests must be received no later than two weeks prior to scheduled session start date. You may request one session transfer at no charge. Each additional transfer will cost \$25.

CONFIRMATION PACKAGE

After you register and receive an account or confirmation number, several forms MUST be completed and returned prior to your arrival at camp:

- TRANSPORTATION FORM
- PHOTO/VIDEO/FILM RELEASE FORM
- HEALTH FORM Requires a physician or nurse practitioner signature <u>AND</u> parent signature. Health form is not required if attending Parent/Child Programs.

If registering for Advanced Space Academy, (except for Pilot Track trainees) you will also receive the following forms:

- SCUBA MEDICAL RELEASE/SCUBA WAIVER & RELEASE AGREEMENT
- ADVANCED SPACE ACADEMY UAT FORM **A physician's signature is mandatory.**

E-MAIL: If you provided an e-mail address, we will e-mail you within 24 hours of receipt of your reservation with instructions on how to access the required forms from our web site.

MAIL: If you did not provide an e-mail address on your application or to an agent when you registered, we will mail you a confirmation package that will include the required forms.

Your reservation is not confirmed and is subject to cancellation until all forms are received. Health and SCUBA forms <u>MUST</u> have required signatures.

TRANSPORTATION FEES

TRANSPORTATION FEE:

Huntsville International Airport \$25

Refer to the Airline Travel section below for important flight booking information. If we are to pick up and/or return the trainee to the airport, we do require a transportation fee. This fee is the same, whether you require roundtrip or one-way transportation. Airport transportation is provided EXCLUSIVELY to and from Huntsville International Airport. We DO NOT pick up from any other airport.

AIRLINE TRAVEL

Do not make your airline reservations until you have a confirmed session date.

▲ Delta

DELTA AIR LINES: Delta Air Lines, the Official Airline of U.S. SPACE CAMP and AVIATION CHALLENGE, now offers special discounts which include 5% discounts off published fares and 10% discounts off full fares (excludes I/U and T fares). An 5% discount is available for tickets purchased more than 30 days in advance, and special flat zone fares with no Saturday night stay. Seats are limited, restrictions apply. For more information or to make flight reservations, call toll free 1-800-241-6760, and **reference DMN207234A**. Visit www.delta.com to reserve online.

ADTRAV: You can speak with a member of our designated travel agency, ADTRAV, by calling 1-800-867-1428. They will be happy to assist you with your travel arrangements. There is a charge for their service.

UNACCOMPANIED MINOR (UM) SERVICE

With many recent changes regarding unaccompanied minor services within the airline industry, please check with a Delta Air Lines representative or your travel agent for more information. Please note: If you book with Delta Air Lines by calling the number above, you may get the UM service return fee waived.

ARRIVAL AT CAMP

Trainees arriving via air are greeted at the airport by uniformed and badged camp personnel with photo identification, and transported by bus or van directly to SPACE CAMP and AVIATION CHALLENGE. Staff members collect airline tickets and re-confirm return flights. Upon check-in at camp, youth attendees are encouraged to call home to let parents/guardians know they arrived safely.

EARLY ARRIVAL/LATE DEPARTURE PROGRAM

(Not available for Adult or Parent/Child Programs)

If the attendee's travel schedule requires arrival any time on the Saturday before camp starts, or at any time Saturday after camp ends, a planned and supervised program — including all meals and lodging, is available for an additional \$79 per day. In many cases, arriving on the Saturday prior to a camp session beginning on Sunday can significantly reduce airfare cost. (Be sure to check with a Delta Air Lines or an airline of choice representative to obtain the best rate.)

Arrival should be scheduled no earlier than 2 p.m. the day prior to session start date. Departure should be scheduled no later than noon the day after graduation.

MERCHANDISE

Optional flightsuits, clothing package, SPACE CAMP "*LIFT-OFF*" CD, mission patches and Gift Shop gift certificates are available for SPACE CAMP and AVIATION CHALLENGE programs.

After arrival at camp, SPACE CAMP, SPACE ACADEMY, ADVANCED SPACE ACADEMY and AVIATION CHALLENGE trainees have the option to purchase a full-color, embroidered team mission patch, customized with their team members' names. Custom mission patches ordered on the first day of camp will be ready by graduation.

Gift Certificates for use in our gift shops, may also be purchased in advance.

If you order any of these items, you will receive them while at camp.

SPENDING MONEY

We strongly recommend all trainees attending youth programs bring spending money in the form of Travellers Checks, in denominations of \$10.00 and \$20.00. Gift Certificates for use in our Gift Shops are also available in several denominations and may be purchased in advance or at the time of registration. U.S. SPACE CAMP and AVIATION CHALLENGE assume no liability for lost cash or other items.

CAMP CHECK-IN

Check-in takes place on site on the first session day. We strongly recommend that each trainee hand-carry a copy of all completed forms.

VISITING THE TRAINEE

We understand you will miss your child while he or she is attending camp. However, we discourage visits while camp is in session, so that your child may have a true "away-fromhome" experience. We do encourage parents to attend graduation ceremonies and will make special arrangements for visitation in case of family emergencies.

During registration, parents must designate who is authorized to visit or pick up the trainee. Proper identification is required at time of visit or pickup.

TELEPHONE CALLS & E-MAILS

Trainees cannot receive personal phone calls or e-mails unless it is an emergency. Schedule permitting, your child will have the opportunity to call home during the day until 9:00 p.m. CST via collect call, pay phone or calling card. Calls after 9 p.m. are discouraged, but can be arranged if necessary. You may not hear from your child every day.

Make sure he/she has phone numbers where family members can be reached at all times. Also make sure he/she knows how to call collect or use an MCI calling card. (MCI Calling Cards are available for purchase in our Gift Shops.)

Our facility is TDD/TTY accessible for the hearing impaired.

GRADUATION

A formal graduation ceremony is held the last day of camp. Family members are invited.

ACKNOWLEDGEMENTS:

NASA: U.S. SPACE CAMP gratefully acknowledges the continuing support of NASA and Marshall Space Flight Center in our educational programs.

HUNTSVILLE MARRIOTT: The Huntsville Marriott, located on the grounds of the U.S. Space & Rocket Center in Huntsville, Ala., is pleased to welcome and offer a graduation rate of \$99* plus tax, any day of the week.

*Weekend rates apply for Friday & Saturday. Based on availability. Call 1-888-299-5174.



	press o
Fax	256-800-3369
Medical Staff	256-721-7162
Dietary Staff	256-721-7139

PROGRAMS



3- Day/2-Night Program

* Nine-year-olds must currently be attending or have completed 4th grade.

ASTRONAUT TRAINING

Training starts with everything campers will need to know about Space Shuttle Systems. Next, they will see what life would be like aboard the Orbiter and Space Station. Trainees will try out space food, learn to sleep in space and even how to go to the bathroom in space!

Astronaut training will continue on the Multi-Axis trainer that spins campers all around, just like the Mercury Astronauts. They will take a turn on the 5-Degrees of Freedom Chair (it's like a chair floating on air) training just like the Gemini astronauts. Next, they will train like Apollo astronauts did for their trip to the moon by taking a walk in the $1/6^{th}$ Gravity Chair! And finally, trainees strap on our own version of a jet pack — an MMU, that's NASA talk for a Manned Maneuvering Unit — and maneuver around on a cushion of air. Trainees will take time off from a busy training schedule for water activities, but not too much, because it's off to rocket construction to build and launch their own one-stage model rocket.

COUNTDOWN BEGINS!

As the Mission Control Crew watches the countdown clock and their computer screen, the Flight Crew straps into the shuttle cockpit and prepares for blastoff. The countdown continues ...7, 6 main engine ignition ...5, 4, 3, 2, 1 booster ignition and lift off! While the commander and pilot enter data and watch the gauges, the Mission Control Crew keeps everything going smoothly.

Once in orbit, mission specialists change into their spacesuits and go out into space to begin their work outside the orbiter; while the payload specialists are conducting scientific experiments in the orbiter's mid-deck.

As the mission wraps up, Mission Control Crew gives the go ahead for the orbiter to head home. The Crew cheers and applauds as the Orbiter returns to Earth.

CHOOSE YOUR TRACK!

- SPACE
- SPACE & AVIATION
- SPACE & ROBOTICS TRACK

SPACE TRACK: More space training!

Trainees assume a new role and experience another area during their second Space Shuttle mission to the International Space Station when they choose the **Space Track.** **Space Track** trainees will go through extensive Mars training to prepare for interplanetary travel. First, they will learn about the planet, its soil, geology, climate and atmosphere. They will receive crew assignments, and then they are ready to go!

Once the trainee and crew arrive, they will settle into their new home — Mars Outpost-Alpha Station — and they will begin to complete their mission assignments as they explore the surface of Mars. Trainees and teammates will conduct experiments on the soil and rocks collected, as well as keeping everything on board the Mars Outpost running smoothly. Once the mission is complete, it is time to head home to Earth.

SPACE & AVIATION TRACK: Learning the basics of flight dynamics, wilderness survival and teamwork, your child will experience some of the same training fighter and test pilots go through. In the **Space & Aviation Track**, trainees will spend time in our high-performance jet fighter simulators learning how to put their jet through its paces. We will prepare trainees for any challenge that might come their way, and train them just like real fighter or test pilots. They will learn all the skills American fighter pilots use to rule the skies.

What makes an airplane fly? We'll teach trainees the principles of flight, not in the classroom, but standing next to the real thing! Meet our movie star, the F-14 TOMCAT. Our TOMCAT was in the movies "TOPGUN" and "FINAL COUNTDOWN."

So whether "space is your place" or the "mystery of flight" is where your curiosity lies, SPACE CAMP is for you!

SPACE & **ROBOTICS TRACK:** In our Robotics Track your child may not be able to build a robot to do their homework, but they will be able to rescue astronauts from the International Space Station! During the SPACE CAMP experience, trainees will spend approximately 10 hours designing and programming a robot using LEGO Mindstorm software and materials to complete a simulated mission to the International Space Station.

In teams of four to five, trainees will work together to create the ultimate robotic rover. They will design the rover using an unlimited array of gears, pulleys, sensors, and other parts and will program the robot to perform tasks at the International Space Station using the latest computer software. They'll be amazed at what their rover can do! Trainees test their creations and compete with other groups to save stranded astronauts and deliver supplies to the space station. ROBOTS ROCK!

EXPERIENCE SPACE CAMP

The SPACE CAMP facility is located on the grounds of the U.S. Space and Rocket Center[®].

The Center is also the official visitor center for NASA's Marshall Space Flight Center.

During the week, trainees in each of our tracks will have guided experiences of everything the Museum has to offer. They will see the first rocket that put an American in space, along with the massive Saturn V rocket that took Americans to the Moon.

Also, trainees will see the capsules the early astronauts lived in during their missions, including seeing up close the actual Apollo 16 capsule. Trainees will climb the highest mountain on Mars on our Martian Climbing Wall. They'll get an astronaut's eye view of the earth while watching an amazing IMAX[®] film in our Spacedome Theater. Trainees will also get to feel four G's of lift off force and the sensation of weightlessness on the Space Shot[™] simulator.

Tracks are limited and booked on a firstcome, first-serve basis. Wait lists for tracks are not available.

NEW: 3-DAY SPACE CAMP (Available summer sessions only.)

This 3-day option is great for families spending the week in the Huntsville area, while their child is attending SPACE CAMP. Sessions are offered beginning on Monday, Wednesday and Friday, with graduation two days later at 9:00 a.m. The program will be filled with action-packed astronaut training. Trainees will participate in one Shuttle Mission, build rockets, sample space food and conduct experiments on the International Space Station. They can take a walk on the moon in the 1/6th Gravity Chair and see what our Museum has to offer.





* Nine-year-olds must currently be attending or have completed 4th grade.

FLIGHT TRAINING

MACH I is non-stop aviation excitement! Trainees master a high-performance jet fighter and learn the basics of flight dynamics, wilderness survival and teamwork. They will experience the same training all fighter and test pilots go through. (THIS IS A MILITARY-STYLE PROGRAM THAT USES SIMULATED COMBAT SCENARIOS.)

CHOOSE YOUR TRACK:

- THUNDERBIRDS
- BLUE ANGELS
- COMMERCIAL/CIVILIAN

AVIATION CHALLENGE offers three MACH I aviation track options:

• Sign up for the Thunderbird Track and join the U.S. Air Force team, where trainees learn to fly the USAF F-15 Strike Eagle! Then get ready for the Air Force vs. Navy competition. Who will rule the skies?

• Check six! Here comes the U.S. Navy/ Marine Corp team! The **<u>Blue Angel Track</u>** puts trainees in the cockpit of the Navy's best fighter, the F/A-18 Super Hornet. Then it's "Tallyho" and "fight's on!" Hornet vs. Eagle, where skill in the sky will decide the day. Track options are booked on a first-come, first-serve basis. Wait lists are not available.

• Sign up for the **Commercial/Civilian Track** and learn basic navigation skills and how to use your instruments to fly. Your senses can lie and we'll tell you why. Learn the secrets of precision aerobatics and how to *really* fly a plane!

Does your child have Air Force blue or Navy gold flowing through their veins? If so, AVIATION CHALLENGE MACH I is the place for them! Trainees learn to fly the same fighter jets American pilots use to rule the skies. They will spend seven missions in the cockpit learning how to put their jet through its paces. From brief to debrief, each mission is jampacked with high-performance fun.

Your kids will find out if they have the right stuff when they pit their skills against their teammates and advance to the TOPGUN finals where the best meet the best. Only one can emerge victorious.

LAND & WATER SURVIVAL

Trainees will learn to be survivors after they complete AVIATION CHALLENGE Survival Training. They will get the same survival training real fighter pilots receive. In water and on land, we will prepare them to succeed in any "SURVIVOR" challenge. On land, they'll learn to build shelters with only the material a fighter pilot would have if he or she had to eject from their aircraft.

What about water? We'll tell trainees where to find it and how to make sure it's safe to drink. How about food? Animal or plant, poisonous or not, trainees will know all the answers necessary to survive off the land.

Our survival course was created by Sergeant Major Jerry Gleason. Descended from Oglala Sioux ancestry, and a highly-decorated Green Beret, SGM Gleason was one of the Army's chief survival instructors when he retired.

SECRETS OF FLIGHT

At AVIATION CHALLENGE, trainees will learn all the secrets of flight. What makes an airplane fly? We can show them. We won't teach them in a classroom, but standing next to the real thing.

In celebration of 100 years of flight, AVIATION CHALLENGE offers AVIATION PIONEERS. From our first "small steps" at Kitty Hawk to our "giant leap" to the moon, trainees take a journey through the past 100 years of aviation. The journey begins with an unforgettable IMAX[®] movie visual experience and continues with a week of activities where they'll learn about the men and women who blazed the path of our aviation history.

MACH I is the ultimate aviation experience. From the biggest and baddest high-performance jet simulator available to kids today — to the most realistic survival training around — we promise your child an unforgettable experience.

NEW! 3-DAY MACH I PROGRAM

(Available summer sessions only.)

Z This 3-day option is great for families spending the week in the Huntsville area while their child is attending AVIATION CHALLENGE.

Sessions are offered beginning on Monday, Wednesday and Friday, with graduation two days later at 9:00 a.m.



6-Day/5-Night Program 13-Day/12-Night Program

MISSION TO THE ISS

Can you survive a trip to space and back? Get ready to blast off to the International Space Station (ISS)! Wait, before you can be launched aboard the Shuttle to the Station, you must go through astronaut qualification training that will prepare you for your space adventure.

ASTRONAUT TRAINING

SPACE ACADEMY® trainees will go through astronaut training on the Multi-axis Trainer that spins them all around, just like the Mercury astronauts. They'll train like Apollo astronauts did for their trip to the Moon by taking a walk in the 1/6th Gravity Chair! And finally, they'll strap on our own version of a jet backpack - an MMU, that's NASA talk for a Manned Maneuvering Unit - and maneuver all around on a cushion of air.

Trainees also go through all the required training to live aboard the Shuttle. They will sample space food, learn how to sleep in space and even how to go to the bathroom in space!

Trainees can take some time off from a busy training schedule for water activities, but not too much...it's time for rocket construction.

Trainees will experience the excitement of a rocket launch by building and launching their own rocket.

SPACE SHUTTLE & SPACE STATION MISSIONS

All SPACE ACADEMY trainees will put their skills and teamwork to the test in a two-hour Space Shuttle mission after they receive their mission assignments and training. Trainees and their teammates will be divided into three crews.

Mission Control Center crew members will monitor all situations and command the mission from the ground. With intense training in computer and communications systems, they will be responsible for the ultimate safety of the mission. What if the Space Shuttle veers off course? What if the Station loses power? Mission Control should be ready to solve any problem.

The Space Shuttle crew will be trained in one of two areas on the Shuttle:

• Pilots and Commanders will learn all the switches and displays in the cockpit that operate the Shuttle and its propulsion systems.

• Mission Specialists will learn about space suits and walking in space on an EVA (that's NASA talk for an Extra Vehicular Activity). The EVA might be to repair the Hubble Space Telescope, construct part of the Space Station or deploy a solar panel.

Space Station crew members will train on all operations of the Space Station: life support, crew and equipment support systems. The crew will also be trained to perform several scientific experiments that focus on materials science, Earth study, crystal growth and plant studies. The Space Station crew will also be trained for emergency procedures and spacewalks.

CHOOSE YOUR TRACK!

- SPACE ONLY
- SPACE & ROBOTICS
- SPACE & AVIATION

SPACE ONLY TRACK: For more space, more things that are out of this world and a Space Shuttle mission to the International Space Station, choose the Space Track.

SPACE ACADEMY trainees in the Space Track have the opportunity to complete a second Space Shuttle/Space Station Mission as a member of a different crew (Mission Control, Space Shuttle or Space Station).

Before the mission, they will discover more about space and science than any other track. Trainees in the Space Track will conduct the same types of experiments that are performed on the International Space Station in the laboratory, and then design their own space stations in the computer lab. They will find out how to locate the ISS and other objects of interest in the night sky. They may even get to see them.

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Now are you ready for the ultimate challenge? Show you have what it takes in the Space Shuttle Mission Competition.

SPACE & ROBOTICS TRACK: In our Space & Robotics Track your child may not be able to build a robot to do their homework, but they will be able to rescue astronauts from the International Space Station!

During the SPACE CAMP experience, trainees will spend approximately 10 hours designing and programming a robot using LEGO Mindstorm software and materials to complete a simulated mission to the International Space Station. In teams of four to five, trainees will work together to create the ultimate robotic rover. They will design the rover using an unlimited array of gears, pulleys, sensors and other parts and will program the robot to perform tasks at the International Space Station using the latest computer software. They will be amazed at what their rover can do! Trainees test their creations and compete with other groups to save stranded astronauts and deliver supplies to the space station. ROBOTS ROCK!

SPACE & AVIATION TRACK: Learning the basics of flight dynamics, wilderness survival and teamwork, your child will experience some of the same training all fighter and test pilots go through. In the new **Space & Aviation Track**, trainees will spend time in our high-performance jet fighter simulators learning how to put their jet through its paces. They will learn the same skills American fighter pilots use to rule the skies.

Meet our movie star, the F-14 TOMCAT. Our TOMCAT was in the movies "TOPGUN" and "FINAL COUNTDOWN."

What makes an airplane fly? We'll teach trainees the principles of flight, not in the classroom, but standing next to the real thing!

So whether "space is your place" or the "mystery of flight" is where your curiosity lies, SPACE ACADEMY is for you!

NEW! Expanded 13-DAY/12-NIGHT SPACE ACADEMY

CHOOSE FROM TWO TRACKS

The **Alumni Track** is open selected weeks for alumni of the **SPACE ACADEMY program only.** No other program participation is applicable for the Alumni Track. Trainees will be teamed exclusively with alumni of the SPACE ACADEMY program. The trainees program and activities will begin at a higher level and build upon their previous ACADEMY experiences.

Registration for the Alumni track is not available on-line. All registrations are done through our Reservations Department at 1-800-63 SPACE, or by calling one of our account executives listed on the back cover.

The **New Track** is open to *any* trainee (alumni or first time attendee). Trainees are

mixed into teams and no prerequisites are needed.

EXPERIENCE A COMPLETELY NEW SPACE ADVENTURE

Enter into an intense scenario of mission planning and extended duration missions. As a member of your mission team, you will plan out every aspect of your mission to the International Space Station. SPACE ACADEMY teams will conduct missions lasting at least six hours! As part of your extended duration mission, trainees will have to overcome new anomalies and challenges in order to have a successful mission. These will be the most realistic missions ever done at SPACE CAMP.



AVIATION CHALLENGE® MACH II AGES: 12-14 6-Day/5-Night Program 13-Day/12-Night Program

It takes a special person to fly highperformance jets. If you are cool under pressure, extremely focused, intelligent and confident in your abilities to get the job done, then we've got the program for you — MACH II. Don't just dream about being a fighter pilot, learn how to become one at Aviation Challenge.

FLIGHT TRAINING

Are you the smartest kid in class? Maybe the fastest person on the track team?

Well, strap into the Navy's F/A-18 Super Hornet and see how you do in a dogfight at 10,000 feet. That's right, "Strap on the jet," it's time to fly! Get ready for the most fun you can have in a three-dimensional environment.

At AVIATION CHALLENGE, trainees get to exercise a high-performance fighter jet the way it's meant to be done. Seven sessions of highperformance jet simulations await them. This is no video game. Trainees step into the cockpit and learn the basics of air-to-air and air-to-ground fighter tactics. "TOPGUN" competition is just a few days away, so make every second count!

Will you be able to tell your friends you mastered the most keenly fought competition at AVIATION CHALLENGE and emerged victorious? Maybe all you'll have to do is show them the "TOPGUN" patch on your jacket.

SEARCH, RESCUE & SURVIVAL

The nation's most secret spy plane is missing and feared down behind enemy **lines.** Here's your chance to feel what it's like to be a real NAVY SEAL. Your team will be tasked with finding the downed aircraft, recovering all TOP SECRET documents and rescuing the pilot without getting caught by Aggressor Forces! You'll need all your training to succeed!

SURVIVAL TRAINING

Survival training at AVIATION CHALLENGE is REAL. Our course is designed by Sergeant Major Jerry Gleason. A highly decorated combat veteran, SGM Gleason was the U.S. Army's number one survival expert when he retired. They'll learn critical life saving skills in this "real world" course. On land, they'll learn about shelters, food and water procurement, field first aid, fire craft and safety. In the water, they'll learn drown-proofing skills and how to make expedient flotation devices out of ordinary objects like pants and shirts. We cover it all in AVIATION CHALLENGE Survival Training and we'll put them to the test.

ABOUT AVIATION

We're all about aviation and if your child is too, AVIATION CHALLENGE is the place for him or her. Not many kids can say they've seen up close and personal — the two primary aviation combatants used in Vietnam. Your child can at AVIATION CHALLENGE. They'll see the F-4 PHANTOM and the MIG-17 FRESCO and learn the secret behind the birth of the Navy's TOPGUN school. They'll learn about aviation in the best aviation classroom in the world, a cockpit.

If aviation history is your child's thing, we've got that covered too. They'll learn about the Red Baron, or Amelia Earhart, Chuck Yeager, or Jackie Cochran (the first woman to break the sound barrier).

In celebration of 101 years of flight, AVIATION CHALLENGE offers *AVIATION PIONEERS*. From our first "small steps" at Kitty Hawk to our "giant leap" to the moon, trainees take a journey through the past 100 years of aviation. The journey begins with an unforgettable IMAX[®] movie visual experience and continues with a week of activities where they'll learn about the men and women who blazed the path of our aviation history.

If your child loves aviation, AVIATION CHALLENGE is a learning experience he or she will never forget. From the pursuit of the coveted "TOPGUN" title, to the deepest recesses of our wilderness survival training areas, they'll find out what they're made of.

ACCEPT THE CHALLENGE, SHOW US WHAT YOU'VE GOT!

BOY SCOUT MERIT BADGES

Space Exploration Merit Badge: Scouts attending SPACE CAMP, SPACE ACADEMY and ADVANCED SPACE ACADEMY will complete all requirements for the Space Exploration Merit Badge and must bring a blue merit badge card

to camp to turn in at check-in. This is offered for every session.

Aviation Merit Badge: Scouts attending all AVIATION CHALLENGE programs will complete all requirements for the Aviation Merit Badge. This is offered every session throughout the year. Scouts must bring a blue merit badge card to camp and turn this in at check-in.

Wilderness Survival Merit Badge: Scouts attending the Mach II and Mach III programs in AVIATION CHALLENGE during summer sessions will complete all requirements for the Wilderness Survival Merit Badge. Scouts must bring a blue merit badge card to camp and turn this in at check-in.

Orienteering, First-Aid & Fire Safety Merit Badges: AVIATION CHALLENGE also offers partial completion of the Orienteering, First-Aid and Fire Safety Merit Badges.

Scouts attending AVIATION CHALLENGE will receive a form letter indicating which requirements have been completed for each of these merit badges.

*Weather dependent

13-DAY/12-NIGHT MACH II

Five days is not enough? How about 13 days!

New for 2005! AVIATION CHALLENGE offers an expanded 13-day/12-night program.

Enter an intense world of special operations and covert CIA intrigue. Rather you are a member of the CIA Special Operations Group (SOG), the Delta Force covert action team or the handpicked SPECOP tactical Fighter Squadron, OPERATION ARCHANGEL lies before you.

From the most-realistic special operations briefings you can imagine, to the 24-hour cataclysmic combat climax, this speciallyscripted scenario will twist and turn you through a labyrinth of heart-pounding excitement. If you are an expert in RPG gaming, this program will take you to a whole new world.

CHOOSE FROM TWO TRACKS

The Alumni Track is open selected weeks for alumni of the AVIATION CHALLENGE MACH II program only. No other program participation is applicable for the alumni track. Trainees will be teamed exclusively with alumni of the MACH II program. The trainees program and activities will begin at a higher level and build upon their previous MACH II experiences. Registration for the Alumni Track is not available on-line. All registrations are done through our Reservations Department at 1-800-63 SPACE, or by calling one of our account executives listed on the back cover.

The **New Track** is open to *any trainee* (alumni or first time attendee). Trainees are mixed into teams and no prerequisites are needed.

THIS IS A MILITARY-STYLE PROGRAM THAT USES SIMULATED COMBAT SCENARIOS.

Upon completing AVIATION CHALLENGE MACH II, trainees age 12-14 may attend SPACE ACADEMY or trainees within three months of turning 15 years old have the option to attend AVIATION CHALLENGE MACH III.

Numerous career aviators go on to become astronauts. Trainees go though SPACE ACADEMY and earn your astronaut wings just like aviators do. Please refer to the SPACE ACADEMY section on page 10 for specific program details.

SPACE CAMP® ADVANCED SPACE ACADEMY® Ages: 15-18

6-Day/5-Night Program
13-Day/12-Night Program

SERIOUS SPACE, SERIOUS FUN!

If you're thinking about a high-tech career, you'll love Advanced SPACE ACADEMY[®]. During this weeklong program, trainees get hands-on training, as well as learn about the mental, emotional and physical demands astronauts must face.

The Advanced SPACE ACADEMY program is a college-accredited program through the University of Alabama-Huntsville (UAH). All Advanced SPACE ACADEMY participants will earn one hour of Freshman-level general science credit from UAH. Students will complete all the necessary paperwork for UAH while attending the Advanced SPACE ACADEMY program. Students will also receive an information sheet as to how they can have the credit transferred to another college or even their high school to be part of their official transcript.

Advanced SPACE ACADEMY offers trainees the opportunity to focus on their field of interest: Pilot, Pilot SCUBA or Mission Specialist. When registering, specify your area of interest.

CHOOSE YOUR TRACK!

- PILOT
- PILOT w/SCUBA
- MISSION SPECIALIST

PILOT TRACK*: Do you have the right stuff to pilot the Shuttle Orbiter into space, or command a crew on the International Space Station? Sign up for the pilot track and test your skills! Shuttle Pilots need flight time – get yours on our simulators! Then team up with the other pilots on your team to test your navigation skills.

Can you keep your cool? Pilot Track trainees are responsible for the safety of their crew in space – and things can get pretty hectic! On the Shuttle, there are checklists to complete and split-second decisions to make, all while monitoring the activities of your crew. On our newly expanded Space Station simulator, you'll need to keep the crew and the Space Station on track while conducting your own experiments – just like the current Space Station astronauts and cosmonauts.

(*Note: Pilot Track trainees do not SCUBA dive)

PILOT SCUBA TRACK: The Pilot SCUBA track is identical to the above curriculum, except trainees will SCUBA dive instead of flying the flight simulators at AVIATION CHALLENGE.

MISSION SPECIALIST TRACK: Ready for space? You'll need to know a bit about the engineering of the Shuttle and Space Station, just in case something needs a quick repair.

On the Mission Specialist track, we'll give you some aeronautical engineering basics to get you started. Then you'll take a spin in our Underwater Astronaut Trainer** (UAT) to get the feel for spacewalking.

(**Note: SCUBA training in the UAT requires medical clearance. See the SCUBA Health form for more details.)

During missions, you will participate in Space Station science and make any needed repairs to your vehicle or satellites on an EVA. In Mission Control, help the back-room Tiger Team recreate anomalies (that's space talk for problems) and solve them in time to save the mission!

MISSION PARTICULARS

In orbit, you may be as little as 200 miles away from home, but it's a very long 200 miles! In your simulated Space Station missions, you will rely on the supplies you have with you – plus the combined knowledge of your team – to solve any problems that may come up. As a team, you'll be given some basic training in emergency procedures and space-specific medical considerations. During your mission, you'll face all the challenges of extended spaceflight, packed into a few hours.

Can't get enough? Want to see what it's REALLY like to live on the Space Station? Ask about our special super-extended missions available during selected weeks in 2005!

ADVANCED SPACE ACADEMY[®] offers in-depth SCUBA training for Mission Specialist track trainees (for EVA simulation). Trainees will quickly learn the importance of teamwork as they embark on their missions. *Note: Pilot track trainees do not participate in SCUBA training. IMPORTANT: Certain medical conditions may prohibit trainee from diving.*

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To prepare for the future, you need to develop leadership abilities, which is why Advanced SPACE ACADEMY offers leadership training to help prepare you for challenging Shuttle missions. As part of this training, trainees visit our special, top-secret "Area 51." Of course, Advanced SPACE ACADEMY is more than problem solving, high-tech tours and leadership training. Your child will also have fun experiencing four G's of lift-off force and actual weightlessness on our SPACE SHOT[™] simulator.

In addition, they get a realistic feel for living and working in space by watching IMAX[®] movies like "SPACE STATION" in our Spacedome Theater.

NEW! 513-DAY ADVANCED SPACE ACADEMY PROGRAM

New for 2005! Experience a completely new space adventure. Advanced SPACE ACADEMY offers an extended 13-day/12-night program. Enter into an intense scenario of mission planning and extended duration missions. As a member of your mission team, you will plan out every aspect of your mission to the International Space Station. ADVANCED SPACE ACADEMY trainees will conduct missions lasting at least 24 hours! As part of your extended duration mission, trainees will have to overcome new anomalies and challenges in order to have a successful mission. These will be the most realistic missions ever done at SPACE CAMP.

CHOOSE FROM FOUR TRACKS:

- ALUMNI PILOT
- ALUMNI MISSION SPECIALIST
- NEW PILOT
- NEW MISSION SPECIALIST

Alumni tracks are open selected weeks for alumni of the ADVANCED SPACE ACADEMY program only. No other program participation is applicable for the alumni track. Trainees will be teamed exclusively with alumni of the ASA program. Trainees programs and activities will begin at a higher level and build upon their previous ASA experiences. There are two tracks for this program: Pilot and Mission Specialist. Registration for the Alumni tracks is not available on-line. Registrations are made through our Reservations Department at 1-800-63 SPACE or by contacting one of our account executives listed on the back cover.

New tracks are open to any trainee (alumni or first time attendee). Trainees are mixed into teams and no prerequisites are needed. There are two tracks for this program: Pilot and Mission Specialist. Please see the description above for these tracks.





13-Day/12-Night Program

IT'S THE ULTIMATE RUSH!

Are you up to the challenge? You'll be better prepared after seven hours aboard a supersonic jet fighter simulator.

MACH III is a program designed for people who want to take their interest in jet fighters to (literally) a higher level. In addition to learning the fundamentals of flying, trainees progress through increasingly sophisticated simulator missions, which will put their skills to the ultimate test.

But MACH III is more than just simulator training. It's also about teamwork, when trainees and their squadron mates work together to be top aviators. AVIATION CHALLENGE puts them one step closer to their dream of flying.

FLIGHT SIMULATORS & COMPETITION

Trainees practice basic flight maneuvers and then progress to advanced combat missions in our F-15 Eagle simulators. The realism of our state-of-the-art simulation and high-resolution graphics will take their breath away! This is no video game! "Tally-ho" and "Fight's on." Trainees see how many air-to-air victories they can score over their opponents. Then, they prepare for the ultimate competition, RED FLAG. This event combines flight, land and water survival, and escape and evasion (E&E) tactics. A trainee's individual talents, as well as those of his or her teammates, are reflected in this realistic exercise.

Maybe they'll make the "TEST PILOT" cut and qualify to take their shot at landing the Space Shuttle. There's only one way to find out, AVIATION CHALLENGE.

LAND & WATER SURVIVAL

Take a deep breath. You're about to slide 100 feet down the "zipline" in a simulated parachute splash down, or survive a crash at sea in the "Helo Dunker." Can you maintain your cool and survive?

Trainees will experience it all at the Aviation Challenge Water Survival facility. They'll spend time outside learning wilderness survival just like real fighter pilots or feel what it's like to be on a NAVY SEAL team with everything on the line. Whatever the challenge, they'll be put to the ultimate test!

PRINCIPLES OF FLIGHT

Mission planning and execution are not complete without understanding the principles of flight, including aeronautics, aerodynamics, jet propulsion, aviation history, flight physiology and more. At Mach III, trainees will learn these principles first hand.

Trainees learn what it's like to experience a high "G" turn in the "Fuge" and how their 'senses can lie' when they ride the "Barney Chair." At AVIATION CHALLENGE, trainees are surrounded with actual jet aircraft like the F-14 Tomcat, F-16 Fighting Falcon, F-4 Phantom, AV-8 Harrier, MIG-17 Fresco and SR-71 Blackbird. They'll see the power and beauty of these machines up close and listen carefully as their instructor provides them with intricate details about the critical design concept of each aircraft.

SCOUT QUALIFICATIONS

Boy Scouts will earn full credit for their Aviation and Wilderness Survival* Merit Badges, as well as partial credit for First Aid, Fire Safety and Orienteering. *Weather dependent.



New for 2005! AVAITION CHALLENGE offers an expanded 13-day/12-night program.

Enter an intense world of special operations and covert CIA intrigue. Rather you are a member of the CIA Special Operations Group (SOG), the Delta Force covert action team or the handpicked SPECOP tactical Fighter Squadron, OPERATION ARCHANGEL lies before you. From the most-realistic special operations briefings you can imagine, to the 24-hour cataclysmic combat climax, this specially-scripted scenario will twist and turn you through a labyrinth of heart-pounding excitement. If you are an expert in RPG gaming, this program will take you to a whole new world.

THIS IS A MILITARY-STYLE PROGRAM THAT USES SIMULATED COMBAT SCENARIOS.

TWO TRACKS ARE AVAILABLE:

- ALUMNI
- NEW TRAINEE

The Alumni Track is open selected weeks for alumni of the Aviation Challenge MACH III program only. No other program participation is applicable for the alumni track. Trainees will be teamed exclusively with alumni of the MACH III program. The trainees program and activities will begin at a higher level and build upon their previous MACH III experiences. Registration for the Alumni Track is not available on-line. All registrations are done through our Reservations Department at 1-800-63 SPACE, or by contacting one of our account executives listed on the back cover.

The **New Track** is open to any trainee (alumni or first time attendee). Trainees are mixed into teams and no prerequisites are needed.



3-DAY PROGRAM (Fri, Sat & Sun) Adult/1 Child* age 7-12

WHAT IS PARENT/CHILD SPACE CAMP?

Parent/Child is a program designed to give both of you an overview of space exploration, while experiencing very real space simulations. Parent/Child SPACE CAMP® is a weekend for just the two of you, providing the opportunity to become partners in learning.

5...4...3...2...1 and lift-off! Watch the rocket that you and your child built together soar. Share the pride that your child will feel while maneuvering the orbiter through space. What better way to build a lasting relationship than through Parent/Child SPACE CAMP?

WALK ON THE MOON

It's just one of the simulations you and your child will experience at Parent/Child SPACE CAMP. The 1/6th Gravity Trainer simulates a walk on the moon's surface. Experience the Manned Maneuvering Unit (MMU), similar to those used by Shuttle astronauts to maneuver in space. There's also the 5 Degrees of Freedom Trainer that simulates movements in microgravity.

MISSIONS

Astronaut training would be incomplete without a mission in space. Work side-by-side as you and your youngster do everything together. Maybe she'll be the commander while you're the pilot, or perhaps he'll be flight director while you're in charge of communications. Selfconfidence grows by the hour, as you work together to accomplish your goals. Our missions are as close to the real thing as we can make them, yet appropriate for ages 7-12.

MORE FUN & LEARNING

Our Parent/Child program is a weekend of nonstop activities. Together, you will explore the history — present and future — of space flight and experience the sensations of real Shuttle launches from giant-screen IMAX[®] movies showing Shuttle astronauts performing missions in space. Participants also receive a take-home packet of exciting activities to explore scientific concepts at home. Tuition includes meals, educational programs and materials, accommodations and T-shirts for both of you. Parents and children of different genders will be housed together.

SESSION DATES

Camp sessions are offered Friday-Sunday. Session dates may be found on the back cover. Check-in and graduation times are listed on our website: <u>www.spacecamp.com</u> Please check our website frequently prior to your camp session for up-to-date check-in and graduation information.

TUITION

PARENT/CHILD SPACECAMP: \$349 per person (\$698/pair) (One Parent/One Child)

PARENT/CHILD PLUS 1: \$898 (Parent, Child + 1 Additional Family Member)

PARENT/CHILD PLUS 2: \$998 (Parent, Child + 2 Additional Family Members)



3-DAY PROGRAM (Fri, Sat & Sun) Adult/Child* age 7-12

*Minimum second grade reading level recommended.

ABOUT THE PROGRAM

At AVIATION CHALLENGE, we don't just talk about "quality time," we practice it! Our **Parent/Child AVIATION CHALLENGE program** offers the perfect setting for you and your child to get away and do something really special together. Maybe you've been on the road a lot and are looking for a good way to reconnect with your son or daughter. Or maybe you want to share your love of aviation with him or her and just have a great time. Whatever the reason, Parent/Child AVIATION CHALLENGE will bring you together in ways you haven't yet discovered.

TRAIN TOGETHER

This weekend program combines the fun of simulated jet fighter pilot training, with guided tours of some of the finest flying machines ever built. But there's more. You'll also do missions together, side by side, as teammates.

EXPERIENCE SURVIVAL TRAINING

Together, you'll practice land and water survival techniques. **Get that fire started. Where's the escape route from the Helo Dunker?** Parent/Child AVIATION CHALLENGE builds confidence by encouraging trainees to try new things, meet new people and overcome challenges in a safe and positive environment. It also gives you the opportunity to be with your son or daughter – sharing, exploring and working together. Quality time doesn't have to be a concept. It's real in our Parent/Child AVIATION CHALLENGE program.

Parent/Child pairs are housed together in the same facility.

SESSION DATES

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AVIATION CHALLENGE

Programs for Visually-impaired & Hearing impaired Students

Our SPACE CAMP and AVIATION CHALLENGE programs — specifically designed for blind, visually-impaired, deaf and/or hard-ofhearing attendees — have attracted students from across the United States and from around the world. Over the years, we have worked closely with several organizations, including the Alabama Institute for the Deaf and Blind, the West Virginia Schools for the Deaf and the Blind, and most recently, the Western Pennsylvania School for the Deaf, to develop a meaningful, inspirational experience for these students. Program highlights may include a presentation by blind and/or deaf NASA professionals on career choices and working in the space industry. Enlarged print, sign language interpreters, attention to mobility hazards and other special considerations are extended to put trainees at ease. Blind students also benefit from the latest technology in the field, including tactile Braille displays and synthetic speech for computers.

SPACE CAMP/AVIATION CHALLENGE PROGRAMS FOR **HEARING-IMPAIRED** STUDENTS

For more about SPACE CAMP and AVIATION CHALLENGE programs for hearing-impaired students, contact Amy Newland at (412) 371-7000, or visit: <u>www.spacecamp/wpsd/</u>

SPACE CAMP FOR VISUALLY-IMPAIRED STUDENTS

For more information about SPACE CAMP for Visually-impaired Students (SCI-VIS), contact Dan Oates at (304)822-4883, or e-mail: scivis@charter.net Visit SCI-VIS web site at the Texas School for the Blind & Visually Impaired at: <u>www.tsbvi.edu/space/</u>

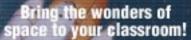
For session dates, call 1-800-63 SPACE or visit us online at: <u>www.spacecamp.com</u>



Other programs available, but not listed in this brochure:

Corporate SPACE CAMP° Corporate AVIATION CHALLENGE° SPACE ACADEMY° for Adults Advanced SPACE ACADEMY° for Adults AVIATION CHALLENGE° for Adults SPACE ACADEMY° for Educators Advanced SPACE ACADEMY° for Educators

For more information, check out our website at: www.spacecamp.com or contact one of our account executives listed on the back cover for your free Adult Program Guide.





Automati-style training and simulations Take a 3D Wittsal Tour of the Shuttle Follow the crew through an entire launch

Command the Shuttle Sim through launch to orbit



- Teacher materials and resources included

- Discover the lastory of space exploration
- School network versions available
- Solve problems and deal with emergency procedures

SPACE SIMULATION



Software for Windows and Macintosh Starting at \$34.95 Order online at www.spacecamp.com or call 1-008-533-7281



FruitCare™ cutting edge nutritional technology uses real fruit to deliver 100% Daily Value (DV) of 91/2 vitamins with no added sugars, preservatives or artificial ingredients.

AUTHENTIC GEAR

FLIGHTSUIT \$80

Order the official flightsuit for your SPACE CAMP^{*}, SPACE ACADEMY^{*} or AVIATION CHALLENGE^{*} adventure! These authentic-looking flightsuits are representative of what real astronauts and jet fighter pilots wear. The royal blue flightsuit comes with official SPACE CAMP and NASA patches. The olive drab AVIATION CHALLENGE suit also has official patches. All suits come with a customized leather name tag.

FLIGHTSUIT Youth sizes 10-20, Adult sizes S-XXL

CUSTOM TEAM MISSION PATCHES \$10 each

Colorful & CUSTOMIZED with <u>YOUR</u> team members' names! After arrival at camp on Sunday, SPACE CAMP, SPACE ACADEMY, ADVANCED SPACE ACADEMY, AVIATION CHALLENGE and ADULT/CORPORATE CAMP trainees will have the opportunity to purchase a full-color, embroidered team mission patch, customized with their team members'

Last names. (Each team will select its design.) Custom mission patches ordered on Sunday will be ready by graduation. THESE ARE ONLY A FEW OF THE SEVERAL DESIGNS YOUR TEAM CAN CHOOSE!

CAMP GIFT SHOP

All clothing ordered will be distributed during the first two days of camp. When placing your order, be prepared to provide a size. Upon distribution, all campers are sized to ensure proper fit. If you'd like to receive your clothing prior to camp, please call the Camp Gift Shop at (256) 721-7120.

(256) 721-7120



CLOTHING PACKAGE \$80

We've combined our most popular clothing into one complete package! Tops are customized with the logo from your camp program. Set includes one each of the following: T-shirt, Shorts, Sweat Shirt, Sweat Pants, Duffle Bag.

SPACE CAMP

Youth size L, Adult sizes S-XXL

SPACE ACADEMY Adult sizes S-XXL

AVIATION CHALLENGE Youth size L, Adult sizes S-XXL

U.S. Space & Rocket Center® Foundation

One Tranquility Base • Huntsville, AL 35805-3399

Please call or e-mail one of our account executives listed below for immediate and personal attention:

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Mechele Woodall

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David Petrak

1-888-831-6301 davidp@spacecamp.com

source code: PG105

customer code

To be removed from our mailing list, please call 1-800-63 SPACE. For employment opportunities, call 256-721-7196.

2005 CAMP SESSION DATES

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See our website for CHECK-IN times and GRADUATION SCHEDULES: www.spacecamp.com

NOTE: A minimum height of 48 inches is required for the simulators used in the program curriculum, with the exception of G-Force Accelerator, which requires a minimum height of 50 inches. Maximum weight for simulators is 260 lbs. Closed-toe shoes must be worn on all simulators. Outdoor activites conducted as temperature and weather permit. We reserve the right to cancel a session date if participation numbers are not adequate.

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