

Alfred University

Summer Programs for Teens

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**Art Portfolio · Chemistry · Computer · Creative Writing
Entrepreneurship · Ceramic Engineering · Renewable Energy
Robotics · Theatre · Equestrian · Swimming**

i n d i v i d u a l s i n s p i r e d

Welcome...

Each summer we welcome high school and pre-high-school students from all over the country to our beautiful campus to make the most of their summer vacations by participating in exciting academic institutes and sports camps. These programs provide opportunities to learn more about a favorite subject, enhance your skills, sample life on a college campus, and meet other students with similar interests and academic ability. We invite you to *make this a summer to remember at Alfred University!* - Melody McLay, Director, AU Summer Programs

PROGRAM HIGHLIGHTS: Our summer programs are designed to provide top quality instruction in a supportive environment, enjoyable activities, safe and pleasant surroundings, comfortable housing and nutritious meals, while also giving students an idea of what it is like to be in college. We combine just the right amounts of learning and fun to make each week a memorable experience for all. Our programs are highly rated by our students and their parents. Actual quotes from past students are included throughout this booklet.

"The teachers were great! The classes were interesting and educational. The best thing was the experience of being at college!"

LOCATION: Our campus is located in a safe, peaceful village in western New York State, where summer days are warm and nights are cool and

comfortable. Surrounded by rolling hills and beautiful meadows and valleys, Alfred University is the perfect place for students to spend an enjoyable week learning more about a favorite subject or sport.

FACULTY: Our programs are staffed by distinguished members of the AU faculty, with advanced graduate students assisting. With Alfred University's excellence in teaching and commitment to offering quality programming, these are among the most educational and fun summer programs in the country.

OUT-OF-CLASS ACTIVITIES, HOUSING, MEALS & SUPERVISION: When not in class, students enjoy organized recreational activities such as indoor and outdoor games, movies, visits to a nearby lake for picnics and campfires, swimming, social

gatherings at the Coffee House, hikes, hay rides, a farewell party on the last night, and more. Out-of-class supervision is provided by our team of Resident Directors and Resident Assistants, who are specially trained to serve as camp counselors, positive role models, mentors and friends. Students stay in clean, modern residence halls and delicious, all-you-can-eat, cafeteria-style meals are served in the University dining hall. Living, dining and learning together, students have ample opportunity to get to know each other well and develop lasting friendships.

WHO CAN ATTEND? The age range varies from program to program. Please review the detailed program descriptions in this booklet for further information.

HOW TO APPLY: Application instructions are included on page 8, followed by an application form on page 9. The completed application, deposit and associated materials must be received in our office by **April 13, 2012**. We will begin accepting applications January 3, 2012.

PAYMENT: Fees vary, depending upon the length and content of each program. Please review the program pages in this booklet for further information. Fees cover tuition, supervision, program materials, field trips, recreational activities, housing and meals. Participants are responsible for transportation, incidentals and any extra nights or meals that are not included in the program package. A deposit is due with the application and the balance must be paid prior to the start of the program (exact due date will be included in the acceptance letter). Payment may be made by check, money order or credit card.

TRANSPORTATION: Our campus, a 6-hour drive from New York City, 2 hours from Buffalo and 1¼ hours from Rochester, is easily accessible by car or bus from all directions. Driving directions and other details will be sent to all accepted students. The nearest major airport is the Rochester International Airport. Transportation to and from that airport can be arranged for an additional charge of \$100 per person.

CHECK OUT OUR WEBSITE:

At www.alfred.edu/summer you can find detailed information about all of our summer programs, including downloadable brochures and application forms, and view our Summer Programs video! For complete information about Alfred University, and a "virtual tour" of our campus, please visit www.alfred.edu.

CONTACT US: Alfred University Summer Programs, 1 Saxon Drive, Alfred, NY 14802-1205, 607-871-2612, Fax: 607-871-2045, E-mail: summerpro@alfred.edu

COMMUTER OPTION: Many of our programs also offer a commuter option for local students. Please visit the camp/institute website for details.

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...to summer

How to get into A Top Art School

Week I: July 8-12, 2012

Week II: July 15-19, 2012

WHO CAN ATTEND

This program is for **students entering their junior or senior year of high school** who wish to continue their education at a top art school.

PROGRAM

This institute, offered twice each summer, is a 5-day intensive course in establishing preparation for applying to a top art school. The goal of the program is to expose students to observational drawing, an understanding of color and a sound foundation in the vocabulary of art and art related pursuits. Topics will include building a strong portfolio and careers in the arts. **Each student must bring a portfolio for review** and will receive constructive advice on how to accomplish the best college application portfolio they can.

SCHEDULE

- Registration & check-in take place from 2-4 p.m. on Sunday, and are followed by orientation, dinner, and welcome activities.
- Monday, Tuesday and Wednesday morning activities include: breakfast, overview of the day, and portfolio reviews. After lunch each day there will be a different art-related experience such as museum, gallery and artist studio visits. Evenings include dinner, activities with our staff, & one evening of open studio.
- Thursday is the wrap-up day, with breakfast, then a full morning drawing session, lunch and checkout at 1:00 p.m.

INSTITUTE FEE: \$890 (includes \$40 studio materials fee and \$100 non-refundable deposit)

A complete schedule, along with driving directions and other information, will be sent to all students upon acceptance. For further information, please visit:

www.alfred.edu/summer/camps/art.cfm

THE FACULTY

The program is directed by Kevin Jacobs, AU Career Advisor and Liaison to the School of Art and Design. Formerly in Creative Services at Polo Ralph Lauren NYC, Mr. Jacobs has worked in the fields of design, art and commerce in both NYC and Los Angeles and he recently curated and produced an art exhibit of AU graduates in NYC's famed Chelsea Gallery District.

The studio instructor is Sherman Finch, BFA Rhode Island School of Design (RISD), MFA Maryland Institute College of Art (MICA).

Questions about program content may be directed to Kevin Jacobs at jacobsj@alfred.edu.



"I learned so much in one week. It excites me to think of how much I could learn over four years of college!"

"The classes were wonderful! I learned how to impress people with your portfolio and application."

"I really liked the social aspect and feeling like I was a student."

ART AT ALFRED

Alfred University's School of Art and Design is internationally known and has a long, illustrious history of creative excellence. Our art students are part of a thriving community of artists who work in some of the best art making facilities in the world.

Artists who come here find a supportive and growing community dedicated to the teaching, creation, research, exhibition and communication of fine art and design. The beauty of our area – rural western New York – is inspiring.



Consumer Chemistry

July 22-26, 2012

WHO CAN ATTEND?

This dynamic camp is for **students aged 14-17 who have completed 8th grade math and science**. The number of participants is kept small (16) to allow for individualized attention and optimal use of equipment. Classes are taught by distinguished members of the Alfred University Chemistry faculty.

PROGRAM

Have you ever wondered . . .

- why and how your hair dye works?
- what makes diet soda sweet?
- what the "pro-vitamins" in your shampoo are?
- what electrolytes in sports drinks are good for?
- why everyone is so worried about trans fats?
- how a detergent gets your clothes clean?

This camp will help answer those questions and many more!

You will discover how to interpret the ingredients lists of your favorite foods and products while learning some basic chemistry. For example, in our tie-dye lab, you will learn about drawing chemical structures, how to extract natural dyes, and the basics of chromatographic separations, while making a T-shirt to keep. You will compare natural and artificial sweeteners, fats, preservatives, dyes, and detergents.

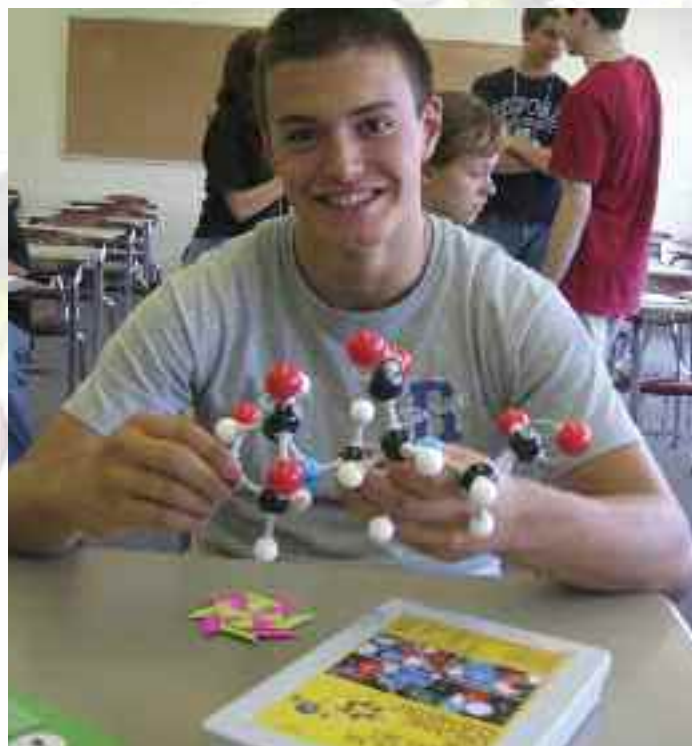
Your week will include daily lab work, tie-dye, chemical demonstrations, small group discussions, brief lectures, reading about chemistry in the news, and inquiry-based activities. Laboratory activities will help you develop a deeper understanding of household products in a fun and safe environment. The camp will culminate with student-led presentations of everyday chemistry.

CAMP FEE: \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at www.alfred.edu/summer/camps/chemistry.cfm

FACULTY

The camp is directed by Mrs. Ruth Bowers, AU assistant professor of Chemistry (bowersr@alfred.edu). Questions about camp academic content and/or instruction may be directed to her.



Creative Writing

June 24-28, 2012

WHO CAN ATTEND?

This dynamic institute is for **students who will enter grades 10, 11 or 12 next fall**, who love to write and wish to hone their writing skills. The number of participants is kept small (25) to allow for individualized attention.

"It was THE BEST week of my life! I still keep in touch with everyone I met and hope to return next summer."

"The classes were excellent, and the whole experience was just unforgettable. Thank you so much from the bottom of my heart."



PROGRAM

This institute provides an introduction to a variety of genres: poetry, short fiction, creative nonfiction, and drama. In morning and afternoon sessions, students participate in writing-intensive exercises designed to address the elements of craft: voice, character, image, scene, and setting. In addition, students will have an opportunity to

participate in workshop sessions in which they will read and discuss each other's work with an eye towards revision. Students will also read and discuss the work of established authors, investigating the strategies they use to craft their poetry and prose. Discussions are lively, and students will have an opportunity to work one-on-one with faculty.

INSTITUTE FEE: \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at www.alfred.edu/summer/camps/writing.cfm

THE FACULTY

Susan Morehouse, Professor of English and Chair of the AU English Department, serves as Institute Director.

Also on the faculty is Dr. Juliana Gray, AU Associate Professor of English.

Questions about institute class content may be directed to Dr. Morehouse at morehou@alfred.edu.

Entrepreneurship

A Jump Start for Young Entrepreneurs

June 24-28, 2012

WHO CAN ATTEND?

We welcome applications from **students entering grades 10-12** who wish to learn more about entrepreneurship and how to be successful in business.

PROGRAM

Entrepreneurship is a fast-paced program that starts with idea generation and evaluation and moves through the business development stages to preparation of a business plan and presentation of the plan. The emphasis is on experiencing the whole process of making a great business idea into a new business product or service.

Students will participate in sessions on:

- Creativity and Innovation
- Developing a Business Plan
- Using the Internet as a Business Tool
- The Art of Presenting Using PowerPoint

CAMP FEE: \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at www.alfred.edu/summer/camps/entrepreneur.cfm



THE FACULTY

Directed by Assistant Dean Maeghen MacDonald, this exciting summer institute provides students with inside information about new business development in a dynamic environment of small group activities led by top quality faculty from the College of Business at Alfred University. For class content information email macdonald@alfred.edu.

Ceramic Engineering

June 24-28, 2012

WHO CAN ATTEND?

This program is for **students entering grades 11 or 12**. The number of participants is kept small to allow for individualized attention and optimal use of equipment. Students are given a wonderful opportunity to learn more about engineering, to sample life on a college campus and to meet others with similar interests and academic ability.

PROGRAM

This popular academic camp is all about ceramic engineering and polymer discovery! Students participate in exciting hands-on lab experiences, working alongside faculty.

Ceramic processing lies at the very heart of all ceramic manufacturing processes and has historically been divided by the terms "traditional" and "advanced" ceramics. Traditional ceramics are those that are typically based on kaolin (clay) and glass, such as dinnerware and tile. Advanced ceramics do not contain clay.

This summer these two areas will intersect and a ceramic "sun-catcher" will be fabricated using tape casting, lamination, and glazing, capturing aspects of both traditional and advanced ceramic materials and processing techniques.

Polymers, both natural and synthetic, have unique properties based on their chemistry and physics. In daily labs, students will:

- understand how the absorbency of diapers relates to contact lenses and environmental cleanup while quantifying and modeling the water uptake.
- experience the extreme variability of polymer viscosity via student-created slime and consider the effects of viscosity from "molasses in January" to personal armor protection.
- discover the hidden uses of polymers by selective destruction of consumer electronics, e.g. cell phone, Ipad, Xbox, computer.

As a concluding activity we'll use cryogenic temperatures to illustrate some key concepts from chemistry & engineering, e.g., to break rubber and make ice cream!

FEE : \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at:
www.alfred.edu/summer/camps/science.cfm



THE FACULTY

Classes are taught by distinguished faculty of Alfred University's Inamori School of Engineering. Dr. Steve Pilgrim, professor of Materials Science and Engineering, and Dr. Bill Carty, professor of Ceramic Engineering and Materials Science, are the Institute Directors and serve as the primary instructors.

For specific information concerning class content, please contact Dr. Pilgrim at pilgrim@alfred.edu.

Computer Engineering

July 22-26, 2012

WHO CAN ATTEND?

This dynamic camp is for **students aged 12-17**. The number of participants is kept small (20-24) to allow for individualized attention and optimal use of equipment.



PROGRAM

This exciting program offers computing experiences for both basic and advanced students. Students learn at their own pace, each at their own computer station. Both creative and practical programming will be covered, but the emphasis is on having fun.

INSTRUCTION TOPICS INCLUDE:

- video game design
- computer languages
- software applications
- microcontrollers
- web page design
- simple robotics

Students will learn an advanced language such as **C++ or Java** and can experiment with new graphics languages. Each will program different applications that they will then be able to take home. Students can learn advanced programming skills to **program robots, sensors and security systems!** Web page design will include **instruction in HTML** - the standard used to program web pages - as well as DHTML. Students will also learn to **use software to create graphics**. Each student will leave camp having designed his/her own web page that includes text and graphics.

CAMP FEE: \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at www.alfred.edu/summer/camps/computer-engr.cfm

FACULTY

Wallace Leigh, AU professor of Electrical Engineering, serves as Director of the Computer Engineering Camp. Any questions about camp content and/or instruction may be directed to him. Professor Leigh can be reached at fleigh@alfred.edu.

Robotics Engineering

June 24-28, 2012

WHO CAN ATTEND?

This exciting camp is for **students entering grades 10-12 who are interested in learning about robotics engineering systems**. The number of participants is kept small (20-25) to allow for individualized attention and optimal use of equipment.

PROGRAM

This dynamic program is based on the VEX Robotics System which offers an exciting platform for learning about areas rich with career opportunities spanning science, technology, engineering and math (STEM). Beyond science and engineering principles, a VEX Robotics project also encourages teamwork, leadership and problem solving among groups. Students will experience hands-on learning in small classes, through assembling and programming the VEX Robotics System to perform various functions.

INSTITUTE FEE: \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at www.alfred.edu/summer/camps/robotics.cfm



FACULTY

Dr. Jianxin Tang, AU professor of Electrical Engineering, serves as Director and primary instructor. Any questions about camp content and/or instruction may be directed to him. Professor Tang can be reached at his office: (607) 871-2130; or ftang@alfred.edu.

Renewable Energy Engineering

July 22-26, 2012

WHO CAN ATTEND?

This camp is open to **students entering grades 10-12** who are interested in science and math and wish to learn about renewable energy engineering. It provides a wonderful opportunity to learn about wind energy, solar energy, fuel cells and nuclear energy through exciting class sessions and hands-on labs.

PROGRAM

Renewable energy is a growing industry that needs engineers who can improve the efficiency of current technologies and develop new ways to produce clean affordable energy. The Renewable Energy Engineering program at Alfred University is dedicated to the study and practice of energy systems for a sustainable environment. Our mission is to produce the next generation of engineers and scientists who will develop and perfect renewable energy systems, make improvements on energy efficiency, and advance science and engineering to create a more sustainable future for our planet.

INSTRUCTION TOPICS INCLUDE:

- solar energy
- wind energy
- fuel cells
- nuclear energy

FEE : \$850 (includes \$100 non-refundable deposit)

For further information, please visit us online at:
www.alfred.edu/summer/camps/renew-energy.cfm

FACULTY

Classes are taught by **Dr. Jalal Baghdadchi**, AU Associate Professor of Electrical Engineering. Any questions about the content of this institute should be directed to him at baghdadchi@alfred.edu.



Theatre

July 8-21, 2012

Summer Theatre at Alfred provides a great opportunity for students to create, experience, and develop perspectives and skills in theatre through full group sessions and with a good deal of individual attention, training and experience in theater from our distinguished faculty.

Our unique blend of broad choices and training in specific areas leads to many energetic classes and much individual growth. With a dynamic, engaging, talented, and caring faculty; terrific facilities; and lovely surroundings, **the Alfred University Theatre Institute could make this your best summer ever!**

WHO CAN ATTEND?

This dynamic 2-week institute is for **students entering grades 10, 11, or 12 next fall**, who are interested in learning more about theatre, performance and production.

PROGRAM

The program provides each participant with opportunities for progress in theatre. There is range, choice, and growth for everyone.

Morning sessions focus on **actor training**, including improvisation, text analysis, character development, staging, voice production and movement for actors. All students learn more about theatre through text and performance.

Afternoons are devoted to **design and technical theatre** with sessions in stage managing, scenery, costume and lighting. Students receive experience and training in all areas, with opportunities to focus on one or two areas during the course of the two weeks.

Other afternoon sessions provide students with **experience in voice and voice development**. Two voice training sessions early in the institute lead to options for more sessions in voice for the stage, including some preparation for musical theatre.

In the late afternoons **students choose particular areas: voice for the stage, acting, design, technical theatre and/or stage managing**.

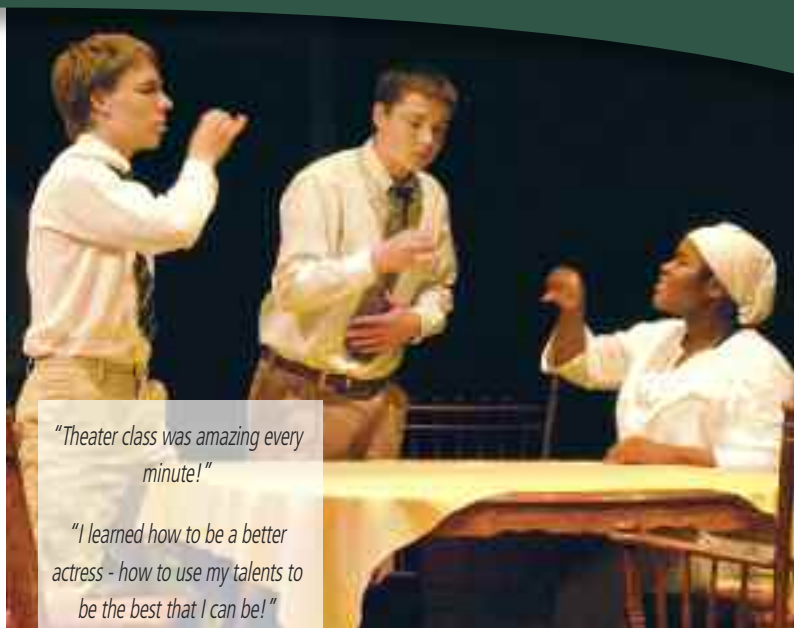
At least one **trip to a professional theatre** will be included in the program, and the institute will conclude with a **public performance of scenes and at least one rehearsed short play**.

COLLEGE CREDIT OPTION

Rising Juniors and seniors can **earn two hours of college credit**, if desired, by completing extra assignments and paying an additional \$100. Please indicate your interest in this option by including a note with the application form.

INSTITUTE FEE: \$1,995 (includes \$200 non-refundable deposit)

For further information, please visit us online at:
www.alfred.edu/summer/camps/theater.cfm



"Theater class was amazing every minute!"

"I learned how to be a better actress - how to use my talents to be the best that I can be!"



"I enjoyed (and will remember) the tips and advice I got from my teachers."

THE FACULTY

Becky Prophet, Professor of Theatre, teaches acting, directing and playwriting, and serves as Director of the Summer Theatre Institute. Any questions about the content of this institute should be directed to her. Professor Prophet can be reached at her office: 607-871-2255; or at her email address: prophet@alfred.edu.

Zachary Hamm is the Technical Director for the Performing Arts Division at Alfred University. During the academic year he teaches technical theatre and is responsible for the organization and set for every theatre production and dance concert. He can be reached at hamm@alfred.edu.

Rebecca Weaver, Adjunct Instructor of Voice at AU and completing doctoral studies in voice at the Eastman School of Music, teaches voice for actors and presents master classes at the institute. She can be reached at weaverr@alfred.edu.

Other AU Summer Programs to check out on-line!



AU Swimming Camp July 8-13 · For swimmers entering grades 7-12
www.alfred.edu/summer/camps/swimming.cfm



AU Equestrian Camp July 15-21 · For ages 14-17
www.alfred.edu/summer/camps/equestrian.cfm

Visit our website for further information about these and other Alfred University Summer Programs! www.alfred.edu/summer

APPLICATION INSTRUCTIONS

Students who wish to apply must return:

1. the attached application form, or the PDF version found on our website
2. an up-to-date transcript or most recent report card
3. two letters of recommendation from teachers
4. a one-page essay telling us why you would like to attend the program
5. the \$100 deposit (or \$200 if applying to the Theatre Institute) - non-refundable unless the student is not accepted

Plus, the following additional materials required by these specific programs:

- Theatre—a recent photo (*head shot if possible*)
- Creative Writing—two writing samples, no more than 4 pages each (*can be excerpts from longer works*)
- Chemistry—a list of science and math courses you have taken

We will begin accepting applications January 3, 2012. Please send all items in one packet and submit before the application deadline: April 13, 2012. (Later applications may be considered only if space is available.)

SEND TO:

**Office of Summer Programs, Alfred University, 1 Saxon Drive
 Alfred, NY 14802, FAX: 607-871-2045**

Or scan and send electronically as a PDF file to: summerpro@alfred.edu.

(If you fax the application form and materials, please call us at 607-871-2612 to make sure we receive them and that everything is readable.)



Payment

A deposit is due with the application and the balance must be paid prior to the start of the program (exact due date will be included in the acceptance letter). Payment may be made by check, money order or credit card.

Acceptance

Acceptance decisions will be made after the April 13 deadline and acceptance/nonacceptance notifications will be made by April 27. **Students requiring an earlier decision should include a note indicating the date by which they need to be notified.** Accepted students will receive additional materials including medical forms, permission forms, emergency notification forms, etc., that must be filled out and returned prior to the start of the program.

Student Cancellation Policy

Refunds, less the non-refundable deposit, will be made for cancellations received by the date indicated in the acceptance notification.



Application Form

Application materials must be submitted by April 13, 2012.

(Later applications may be considered, if space is available. Call 607-871-2612 or email summerpro@alfred.edu to check availability after deadline.)

Check program to which you are applying:

- Art Portfolio I Art Portfolio II Consumer Chemistry Computer Engineering Creative Writing
 Ceramic Engineering Entrepreneurship Renewable Energy Engineering Robotics Engineering Theatre

Type or print clearly in ink only. Fill in all sections. Incomplete or illegible applications cannot be considered.

Student's Name: _____ Preferred First Name for Nametag: _____

Home Address: _____
 Street City State Zip

Gender: male female Phone (daytime number to call if we have questions): _____

Student's email: _____ Birth Date: _____ Age: _____

Name of School: _____ Year you will graduate from H.S.: _____

Parent/Guardian's name: _____ Parent/Guardian's email: _____

Parent/Guardian's home phone: _____ Parent/Guardian's cell phone: _____ work phone: _____

Please check one of the following:

- A deposit check is enclosed (made payable to Alfred University).
 Please charge deposit to the following credit card: VISA MasterCard AMEX Discover

Name of Card Holder: _____

Card Number: _____ CVV number: _____ Expiration Date: _____
 (3 digit code on back of card)

Amount: \$ _____ Authorized Signature: _____

Card Holder Billing Address (if different from above): _____
 Street City

State Zip code Card Holder Phone: _____

Application Materials Checklist:

- Copy of an up-to-date transcript (to January 2012) or most recent report card
- First letter of recommendation from teacher (on official school stationery)
- Second letter of recommendation from teacher (on official school stationery)
- A one-page essay telling us why you wish to attend this program (must be in your own words and must include your signature at the bottom)
- \$100 deposit (or \$200 if applying to Theatre Institute)
- List of math & science courses you've taken, if applying to Chemistry Camp
- A recent photo (head shot if possible) if applying to Theatre
- Two samples of your writing (if applying to Creative Writing Institute)

Send this form with the required application materials to:

**Office of Summer Programs
 Alfred University
 1 Saxon Drive, Alfred, NY 14802
 FAX: 607-871-2045**

(If you fax this form to us, please call to make sure we received it and it is readable.) **Or you can scan your completed form and send it electronically**, as a PDF file, to the email address below.

**Questions? Call 607-871-2612 or email us at summerpro@alfred.edu.
 Thank you!**

*"The memories I share with everyone
at Alfred will last a lifetime!"*



Alfred University

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Alfred University
1 Saxon Drive
Alfred, NY 14802
607-871-2612
FAX: 607-871-2045
summerpro@alfred.edu

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