



HORIZONS PROGRAMS

July 12 - 19, 2009 or July 19 - 24, 2009

A one week residential summer program

- for 7th (Horizons I) and 8th (Horizons II) grade girls (at the time of application)
- who have an aptitude and interest in math, science or engineering

WELCOME TO HORIZONS

It may be an academic program, but it's based on learning in fun and engaging ways - and probably accounts for the program's superb reputation. More than 99% of comments by participants indicate that no matter how hard they work, how short the nights or long the days, they have a blast in this program! Participants come to know the many "e's" associated with Horizons: excellence, exciting, exhilarating, and finally, exhausting. We have high expectations (there's one more e-word) for the young women and they've always delivered their best.

The actual projects for the program are not determined until mid-Spring when the teaching staff is finalized, but you can count on an interesting if not unconventional approach to math, science or engineering, and personal enrichment components. We embrace defying convention in the academic arena!

Location

The Horizons I and II programs are hosted at Clarkson University (CU) in Potsdam, NY.

WHY HORIZONS?

The Rationale

Although females have an aptitude equal to males in science and mathematics at grade school levels, few females choose to pursue careers in math-based disciplines. Studies show that an important factor in career choice is early exposure to opportunities and role models. We think encouragement at this pivotal age may make the difference.

Horizons I and **Horizons II** are designed to help girls understand the excitement of mathematics and its connection to science and engineering. Rather than close the door early on promising careers, we expect the **Horizons** experience to encourage young women to choose high school courses that lead to collegiate success in math-based disciplines.

The Curriculum

The **Horizons** curriculum uses an integrated instructional module for science, engineering and mathematics and supports these through hands-on projects. The life skills component includes career opportunities and leadership training which further enhances and supports the instruction.

The Goal

Horizons programs seek to inspire and open vistas for 7th and 8th grade young women to maintain or improve their aptitude and attitudes toward math-based course work.

The Objectives

- Help young women realize that the knowledge of science and mathematics is important to their – and this country's – future.
- Build young women's self-esteem to perform and apply their skills so they can envision themselves in math-based fields of study and careers.
- Promote self-awareness, leadership and team-building skills.



Throughout the week participants build confidence, personal insight, and team spirit.

A Future Benefit

A Horizons participant who applies and is accepted to Clarkson as an undergraduate will receive a \$500 scholarship for each Horizons week attended.

Nomination of Candidates

Horizons I: More than 500 New York State schools will receive an invitation directly mailed to a contact person at the school. Each school is encouraged to nominate two girls (Horizons I) and one young woman (Horizons II) who are, at the time of application, enrolled in seventh and eighth grades, respectively. **NOTE:** The program is open beyond the borders of New York State and hard copy application materials will be mailed upon request or can be downloaded from the web address (see back). Clarkson seeks candidates who have achieved a score of 90 or above in math and science classes, **or** are young women who show interest in these subjects but may lack confidence in their abilities and could therefore benefit from the program.

- 140 applicants are selected to participate in Horizons I;
- 70 participants are scheduled for each of the two weeks of program operation.

Horizons II invites 100 young women (50 each week) to participate. First priority is given to applicants who attended Horizons I the previous year.

Please be aware that participation in both programs is highly competitive, but especially in Horizons II.

Application Materials and Process

Application materials are distributed in January to the participating schools and to the previous year's Horizons I participants (applying for Horizons II).

The completed Application form, two Teacher Recommendation forms, a Transcript of the previous year's grades and grades-to-date and answers to questions specific to each age group will complete an application packet.

Documents **must be returned to Clarkson (using one envelope per candidate) and post-marked no later than March 9, 2009.** We reserve the right not to review applications that are not postmarked by the deadline date.

Notification of Status

The target date for all applicants to be notified of their acceptance/non-acceptance or wait list status is between mid-April and May 9, 2009.

Wait listed applicants will receive slots that become open either due to an accepted candidate's decision not to participate or failure to submit the required deposit. Notification of openings will be approximately the first week of June 2009. If accepted, full tuition will be required at the time of notification.

Tuition, Deposits and Refunds

The tuition is \$475 for each program and includes all instructional materials, housing, food and any field trip(s). Travel to and from the program is not included in the tuition.

To secure the applicant's spot, a \$100 non-refundable deposit will be due upon receipt of the letter of confirmation that an applicant has been accepted to the program. The \$375 balance is required to be received by Clarkson on or before May 28, 2009 for first-round acceptances, and immediately upon notification for wait listed applicants – with this exception:

Schools and agencies who are willing to cover tuition for accepted students have a specific form they are to utilize to arrange payment. They may not need to meet the pre-program deadline for a deposit. The form is included in the acceptance packet. We encourage parents and school officials to begin the search for funds early on in case a nominee is accepted.

If program personnel at Clarkson are notified on or before May 28, 2009 that a participant will NOT be able to take advantage of the program, a refund of the tuition will be made if a wait listed candidate accepts the open slot.

No refunds will be made after June 10, 2009 except in the event of family emergency and in agreement with program planning staff.

WELCOME TO CU

Accommodations

All meals, lasses (except field trips) and recreation are held on the Clarkson campus. Participants reside two-in-a-room in a Clarkson University dormitory. The Residence Coordinator and program assistants live on the dormitory floors with the participants. We encourage participants to bring along items to personalize their dorm space.

Indoor Recreation Center (IRC)

The IRC will be open to provide access to basketball, volleyball, racquetball, indoor track, swimming, and weight conditioning. The field house allows only athletic shoes with non-marking soles. Most outdoor athletic equipment can be borrowed at the recreation building, however, it is acceptable for you to bring your own sports equipment.

Keys: Each participant will receive a key to her dormitory room. There is a charge of \$60 if the key is not returned at the end of the program.

Day of Arrival: Registration and Parent's Orientation on July 12th and 19th

Registration will begin on Sunday, July 12th and Sunday, July 19th at the Hamlin-Powers dormitory where Horizons participants will be housed.

Horizons II participants should **arrive** between **12:30 - 2 pm**. The Parent's Orientation will begin at 2:00 pm.

Horizons I participants should **arrive** between **2:00 - 3:30 pm**. The Parent's Orientation will begin at 3:30 pm.

Note: Participants may not use the pool unless they pass a swim test. Swim tests begin at 4:00 pm for Horizons II and 4:30 pm for Horizons I. These will be conducted until everyone is accommodated.

Day of Departure: Friday, July 17th and 24th

Parents are encouraged to attend the following events on the closing Friday of the participant's scheduled week:

Horizons I will have a poster session between the hours of 3:00 - 4:00 pm to display their science projects. The location for this event is the Atrium of the Center for Materials Processing (CAMP) building.

Horizons II will participate in an engineering competition between 3:00 - 4:30 pm in the CAMP building, first floor.

Departure From Campus: no later than 6 pm on Friday, July 17th or July 24th Please sign your daughter out at the Hamlin Study Room by returning her room key, picking up her medications and ensuring that the program personnel have cleared her for departure.

HEALTH CLINIC AND INSURANCE REQUIREMENTS

Basic health services are available to students in Clarkson University sponsored programs, including Horizons, on an on-call basis, 24 hours a day, 7 days a week.

Program participants must provide proof of health insurance coverage to participate in Horizons. If you do not have health insurance, you may purchase coverage through Clarkson for the week of attendance. The specific cost will be announced with the acceptance packet but will be in the vicinity of \$45 - \$50. Insurance must be requested and paid for by June 10, 2009.

To help with diagnosis and treatment of illness or injuries, it is essential that health staff have readily available for each participant two forms: the Health History Report and the Physician's Standing Order form which are included in the acceptance packet.

Please note these very important requirements:

- Under New York State Health Department regulations, participants cannot be admitted to the program without having completely filled out the two health-specific forms provided by the program that will be sent in the acceptance packet.

These documents **must be approved in advance of the program** by Clarkson's Health Director. Parents/guardians are to send in the forms with the other materials to be reviewed. The parents/guardians will be contacted if any information is missing or incomplete. If you do not hear from the health team, it is a good indication that the participant has been cleared to arrive on campus.

Please also note that per Department of Health regulations, all medications, including over-the-counter medications, are secured in our clinic and are distributed from that location. The Physician's Standing Order form is to be filled out and signed by the parent/guardian **and** counter-signed by a physician who has reviewed the document and approved the distribution of over-the-counter medications that are brought to campus. If this form is submitted without signatures, the participant will be permitted **no** medications during her time on campus.

If during camp, a participant must have a prescription filled, staff will ensure that it is filled at a local pharmacy and any uncovered costs will be billed to the family.

For questions that are not answered in this document, feel free to direct inquiries to horizons@clarkson.edu

Clarkson contact person:
Vicki Clark, Project Administrator
Box 5512 • Clarkson University • Potsdam, NY 13699



Visit the Horizons website at
www.clarkson.edu/pipeline/programs/horizons/index.html
or the
Institutional Diversity Initiatives Office website at
www.clarkson.edu/pipeline
or the
Clarkson University website at
www.clarkson.edu