

COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM

2008-2009

ACADEMIC RESEARCH AND INTERNSHIP IN SCIENCE AND ENGINEERING



APPLICATION

NAME: _____

Please return application by:
Friday, October 31, 2008 to:

Angela Woods
Office of Graduate Preparation Programs
804 University Avenue, Suite 303
Syracuse, NY 13244-2330

If you have any questions,
please call 443-2622
or send an email to anwoods@syr.edu

The Academic Research and Internship in Science and Engineering, ARISE Academy is one of Syracuse University's premier undergraduate research/internship experiences. A hallmark of the CSTEP program, ARISE is designed to facilitate the integration of theoretical and practical perspectives in addressing global issues through interdisciplinary research/internships.

THE ACADEMY

The Academic Research and Internship in Science and Engineering (ARISE) Academy is a 16-month institute designed to facilitate the integration of theory and practice through cross-disciplinary research and internship experiences for participating CSTEP scholars. Field placements around the world provide the opportunity for scholars to engage faculty, alumni, and corporate/community partners in collaborative analysis of domestic and global problems. ARISE scholars are charged with formulating their research/internship experiences in science, technology, engineering, and pre-licensure fields into articles. A structured academic orientation complements the internship and/or research experience, allowing some students to be awarded a maximum of six credits upon completion of summer courses at Syracuse University. Field placements around the world will provide the opportunity for scholars to engage faculty, alumni, parents, and corporate and community partners in collaborative analysis of local, national, and international issues. *The scholarship covers tuition, basic expenses, enrichment activities, or provides a stipend.*

ARISE begins with a rigorous weeklong orientation during **Spring Break**, including a 3-day tour of graduate and professional schools. Between orientation and summer session one, ARISE scholars will complete internship/research contracts – locating a Faculty Mentor or Site Supervisor with the assistance of the Assistant Director. All the internship and/or research projects are self-determined. Then, during Summer Session 1, scholars will participate in holistic development roundtables over dinner (for those that choose to participate on-campus), as well as participate in local graduate and professional school tours. In lieu of receiving a stipend, ARISE scholars may be authorized by the Assistant Director to register for six credits of academic course work, internship credit or research credit. Also during the experiential phase, students must attend two (2) empowerment seminars each week and complete weekly assignments to enhance their learning experience. Selected scholarship recipients may complete their ARISE Experience as *Distance Scholars* outside the local Syracuse area. The experiential phase will allow each scholar to gain hands-on experience in his/her area of interest.

ELIGIBILITY

An applicant must:

- be a CSTEP student
- be of sophomore, junior or senior standing by Commencement 2009
- have a GPA cumulative GPA of 3.2

APPLICATION PROCEDURE

Applications and all supporting documents are due to the Office of Graduate Preparation Programs no later than Friday October 31, 2008. After interviews are completed, all applicants will be notified of the selection committee's decision by November 3, 2008. Those students accepted for the project must confirm their participation by December 1, 2008.

Each applicant must submit the following material for a complete application package by October 31, 2008:

- The completed application form
- Transcript of all college course work completed or in progress (unofficial is acceptable);
- Three letters of recommendation
- Essay on selected topic
- A \$50 non-refundable application fee: payment by check or money order only. Please make the check payable to Syracuse University with CSTEP on the memo line.

Incomplete application packages will not be considered.

LETTERS OF RECOMMENDATION

We strongly suggest that one of the letters of recommendation be from a faculty member or advisor from the academic department in which the student is enrolled. The other letters should be from a person familiar with the scholar's academic background and/or involvement in campus/community activities.

The letters should include the name and address of the person writing the recommendation and the capacity in which the individual knows the student.

ESSAY

Each applicant must submit a typewritten essay of 1500 words. This essay should include any specific goals and objectives you expect to achieve by participating in the ARISE Academy (details are found in the application). Your last name and consecutive page numbers should appear in the upper right hand corner of each page.

For more information please contact: Angela Woods Assistant Director, at 315-443-2622 or anwoods@syr.edu

DUE DATE 10/31/08

Office of Graduate Preparation Programs

COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM

ARISE APPLICATION

BIOGRAPHICAL INFORMATION

NAME: _____ SUID: _____

CLASS STANDING: SO ___ JR ___ SS#: _____

CITIZENSHIP: U.S. CITIZEN _____ PERMANENT RESIDENT: _____

GENDER: FEMALE _____ MALE _____

MAJOR: _____ MINOR: _____

DEGREE SOUGHT: _____ GRADUATION DATE: _____

CUM GPA: _____ EMAIL ADDRESS: _____

RACE/ETHNICITY: ___AFRICAN AMERICAN ___NATIVE AMERICAN/AMERICAN INDIAN
(check all that apply)
___HISPANIC/LATINO ___ WHITE/CAUCASIAN
___ OTHER _____

LOCAL MAILING ADDRESS

STREET _____

CITY _____ STATE _____ ZIP _____

PHONE NUMBER _____

PERMANENT ADDRESS

STREET _____

CITY _____ STATE _____ ZIP _____

PHONE NUMBER (INCLUDE AREA CODE) _____

DUE DATE: 10/31/08

ARE YOU A PARTICIPANT IN ANY OF THE FOLLOWING PROGRAMS?

_____ SSSP _____ HEOP _____ MCNAIR _____ SSUI

PLEASE PROVIDE RESUME AND A COPY OF UNOFFICIAL TRANSCRIPT

PERSONAL/ACADEMIC STATEMENT

Your personal/academic statement should be no more than 1500 words in length and should be typed or word processed. Your statement should explain why you want to participate in ARISE and what you hope to gain from the program, including how this experience will help you achieve your current and future academic and professional goals. Your statement should clearly address the following topics: the specific field(s) in which you are interested in, any relevant experience you have had in an academic or a work setting, and a brief description of any relevant courses you are currently taking. Finally, explain what you will contribute to the ARISE Academy, describing the personal qualities you would bring to the program and how those qualities would benefit the program and its participants.

At the top of your personal/academic statement, please provide a cover sheet.

At the bottom of your statement, please:

1. List three (3) potential research/internship areas for the summer.
2. List the academic field(s) in which you hope to pursue graduate work.
3. List the top five (5) universities at which you would like to pursue graduate work.

RECOMMENDATION

INSTRUCTIONS FOR THE APPLICANT

Complete the top part of this form. Please type or print legibly. Give this form and a stamped addressed envelope to the persons whom you have asked to recommend you. The recommender should send the completed form to the following address.

Ms. Angela Woods, Assistant Director for CSTEP
Office of Graduate Preparation Programs
804 University Avenue, Suite 303
Syracuse, New York 13244-2330

In accordance with the Family Education Rights and Privacy Act of 1974, you may waive your right to inspect this recommendation by signing the statement below. Should you not waive your right, you may have access to this form as an ARISE participant.

I hereby waive my right of access to this recommendation.

Signature _____

Date _____

INSTRUCTIONS FOR THE RECOMMENDER

Please type or print legibly.

1. How long have you known this applicant, and in what capacity?

2. Comparing the applicant with students you have known to enter graduate programs, please rate the applicant on a ten-point scale. 1-4 (poor), 5-7 (fair), 8-9 (good), and 10 (excellent)

_____ Maturity and reliability	_____ Ability to get along with others	_____ Analytical Skills
_____ Mathematical Skills	_____ Self-motivation	_____ Writing Skills
_____ Potential as a graduate student	_____ Creativity and originality	_____ Research ability

3. On a separate piece of paper, please write a statement about the applicant. Write candidly about the student's qualifications, as well as his/her promise for academic successes. Please discuss the student's strong and weak points when assessing his/her attributes. Your recommendation should be typed on official letterhead, sealed, signed across the envelope flap and returned to the address above.

Signature _____

Date _____

Title _____

Department _____

For Faculty Members: The student may speak with you about the possibility of serving as a "Faculty Sponsor" during this project. The student should describe to you their academic area of interest for research and/or internship development. The Faculty Sponsor works collaboratively with the student and the ARISE Director to facilitate a rich experience for the student; and serves as a mentor through the project's duration. If you are willing to serve in that capacity, please indicate this fact in your letter of recommendation.