



**Northeast Alliance
at the University of Massachusetts Amherst
Summer Program for Undergraduate Research**



Alliance Institutions

*UMass Amherst
Boston University
Massachusetts Institute of Technology
Pennsylvania State University
Rutgers, the State University of New Jersey
University of Connecticut
University of Maine
University of New Hampshire
University of Rhode Island
University of Vermont*

Partner Institutions

*Bennett College, NC
Jackson State University, MS
Lincoln University, PA
Medgar Evers College, CUNY, NY
University of Puerto Rico, Mayaguez, PR*

**Funded by the
National Science Foundation**



Program Features

- Train in active, "real-world" laboratories at UMass Amherst by conducting independent research
- Receive supervision by a UMass faculty member and a near-peer mentor
- Present the results of your research in a poster presentation
- Participate in seminars & workshops on issues directly related to the academic, personal and professional growth of the students
- Receive constructive feedback on the need for further undergraduate courses and acquisition of additional laboratory and academic skills, and have individual counseling on academic careers
- Visit with professionals on field trips and see other research labs, educational facilities, and application of science, technology, engineering, and math
- Participate in social and cultural activities in the Amherst/Northampton area

Program Duration

June 12th to August 6th, 2011

Applicants

- Must be U.S. citizens or permanent residents
- Should be majoring in science, technology, math, or engineering
- Should have a genuine interest in research and teaching as a career
- Must fully participate in all program activities

Participants receive

- A weekly stipend during the program totalling \$2800
- Up to \$600 in reimbursement for round-trip travel
- Free occupancy room and board at UMass
- A certificate of completion of the program

Application Requirements

- The completed application form
- A one-page personal statement
- Official academic transcript(s)
- List of current courses
- Two letters of recommendation from faculty
- Photo copy of birth certificate, passport or evidence of permanent residency (please contact us if there is a problem)
- Evidence of health insurance must be provided before admission to the program

Application deadline

April 1, 2011

Send or email applications to

SPUR Coordinator
Northeast Alliance SPUR
524 Goodell Building
University of Massachusetts
Amherst, MA 01003-9333
FAX: (413) 577-1660
E-mail: prep@grad.umass.edu
• *Receipt of the application and its completion status will be acknowledged via email*

Send program inquiries to

SPUR Coordinator
Northeast Alliance for Graduate Education
and the Professoriate

phone: (413) 577-4178
e-mail: prep@grad.umass.edu
website: www.neagep.org

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Areas of Research**

College of Natural Sciences and Mathematics

Astronomy
Biology
Biochemistry
Molecular Biology
Chemistry
Computer Science
Geosciences
Mathematics and Statistics
Physics
Polymer Science and Engineering

College of Engineering

Chemical Engineering
Civil and Environmental Engineering
Electrical and Computer Engineering
Mechanical and Industrial Engineering

College of Food and Natural Resources

Animal Science
Entomology
Environmental Sciences Program
Food Science
Natural Resources Conservation
Forestry and Wood Technology
Microbiology
Plant and Soil Sciences
Wildlife & Fisheries Conservation

Interdisciplinary

Molecular and Cellular Biology
Neuroscience and Behavior
Organismic and Evolutionary Biology
Plant Biology

Institutes/Centers

Scientific Reasoning Research Institute (SRRi)
Massachusetts Museum of Natural History
Materials Research Science and Engineering Center (MRSEC)
Center for Computer-Based Instructional Technology (CCBIT)
Center for Real-Time and Intelligent Complex Computing
Systems (CRCCS)
Climate System Research Center
Center for UMass-Industry Research in Polymers (CUMIRP)
Statistical Consulting Center (SCC)
Center for Knowledge Communication (CKC)
Center for Intelligent Information Retrieval (CIR)
Center for Geometry, Analysis, Numerics and Graphics (GANG)
Center for Neuroendocrine Studies (CNS)

*** There may be opportunities to conduct research in other areas at UMass. When applying to the program be sure to be specific as to your research interests (Question 11 on application).*

More information is available on the Internet about all of the departments, faculty and research at UMass at the following address: <http://www.umass.edu>

**Northeast Alliance
at the University of Massachusetts Amherst**

**Summer
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DEADLINE: April 1, 2011

APPLICATION FORM (Please Type or Print Clearly • All information requested is required)

1
Name: _____ US Citizen / Permanent Resident*
Last First Middle Initial (Circle One)

2
Social Security Number: - - - - - Date of Birth: / / Gender: Female / Male
Month Day Year (Circle One)

Race/Ethnicity: African American or Black / Chicano(a) or Mexican American / Native American / Puerto Rican / Other:
(Circle all that apply; or if "OTHER" please circle and specify)

3
Current Address: _____

Telephone: () _____ Email: _____

4
Permanent Address: _____
(Please provide address at which you can be reached, if you will not be available at the above address after this academic year (i.e address of Parent/Gaurdian/Relative/Friend)

Telephone: () _____ Email: _____

5
College or University: _____ Grade Point Average: _____ on a 4.0 / 5.0 scale
(Indicate GPA and Circle the grade scale your school uses above)

6
Major: _____ Status: Fresh/Soph/Junior/Senior/5thYr/Masters

7
Honors Program: AMP MBRS MARC McNair Other _____ Expected Graduation Date: /
(Check applicable program(s); if other please specify program) (Month / Year)

8
Faculty Advisor or Department Head: _____ Telephone: () -
(Circle applicable Title)

Address: _____ Email: _____

9 Areas of research interest: Please indicate first(1), second(2) and third(3) choices (see Information page 2)

1st _____

2nd _____

3rd _____

10 Have you applied to this program before? Yes / No If so, what year?

(Circle One)

11 Topic(s) of Research Interest (Be as specific as possible)

12 References

Name/Position	School/Company	Title	Telephone	Email
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Name/Position	School/Company	Title	Telephone	Email
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13 Previous Work or Volunteer Experience (You may attach a resume, if so please indicate "See Resume" below)

Name of Employer or Supervisor	Location	Type of Work	Dates of Employment
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Name of Employer or Supervisor	Location	Type of Work	Dates of Employment
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14 Honors, Awards and Prizes

Items to be included in a one page essay

15 Describe any prior research experience you have had in a university or on a summer job.

16 Describe your academic and career goals and your plan to reach them.

17 If you have performed less than satisfactorily in any classes and you wish to explain the circumstances

18 Your family background & how that affects who you are (e.g., are you the first in your family to attend college, are members of your family recent immigrants, were you raised in a very rural or very urban environment?).

I have included the following:

- Official Transcript (copies are not acceptable)*
 - Reference #1 in an envelope sealed and signed by the writer*
 - Reference #2 in an envelope sealed and signed by the writer*
 - Responses to items 15-18 (on separate paper)*
 - List of courses being taken at time of application (on separate paper)*
 - Copy of birth certificate, passport, or evidence of permanent residency*
- (Your application will not be considered complete until all items listed above are received.)*

DUE NO LATER THAN April 1, 2011

*Mail application with **all information requested** to:*
SPUR Coordinator
*Northeast Alliance
Summer Program for Undergraduate
Research (SPUR)
524 Goodell Bldg., University of Mass.
Amherst, MA 01003-9333
(413) 577-4178 FAX: (413) 577-1660
web: www.neagep.org*

The University of Massachusetts leads the Northeast Alliance for Graduate Education and the Professoriate and therefore has the ability to increase your opportunities for summer research and/or Graduate School by forwarding your application information to several other Research Institutions (Boston University, Pennsylvania State University, Rutgers University, and Massachusetts Institute of Technology) . If you would like to be considered for other programs at Alliance Institutions, please check the box next to this statement.

Applicant's Signature

Date:

**Northeast Alliance
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RECOMMENDATION FORM 1**

DEADLINE: April 1, 2011

TO BE COMPLETED BY APPLICANT

Name _____

First

Middle

Last

Under the Family Educational Rights and Privacy Act of 1974, a student participating in the University of Massachusetts Northeast Alliance Summer Program for Undergraduate Research (SPUR) has access to his or her program file. The SPUR wishes to comply with this law, while still allowing the student to waive the right to access. If you wish to waive the right to examine this evaluation at a later date, please sign here.

Applicant's Signature: _____

Date

TO BE COMPLETED BY EVALUATOR

An application for admission to SPUR requires evaluations from two individuals who are capable of judging the recent academic and professional promise of the applicant.

Please return this evaluation to the applicants in a **sealed envelope**, with your **signature written across the seal**, in time for the applicant to meet the following deadline: **April 1, 2011**. **If delayed, the Evaluation should be returned directly to the following addressee:**

**SPUR Coordinator
Northeast Alliance Summer Program for Undergraduate Research
524 Goodell Building, University of Massachusetts
Amherst, MA 01003
Fax: 413-577-1660 Phone: 413-577-4178 Email: prep@grad.umass.edu
Website: www.neagep.org**

(Please Print or Type)

Evaluator's Name _____

Title _____

Address _____

City

State

Zip

Phone _____

Email _____

In what capacity do you know the applicant? _____

How long have you known the applicant? _____

How does this applicant compare with her or his peer group in academic ability?

Truly exceptional

equivalent to the best you have known - a person who, in your experience, appears only every few years

Outstanding

Comparable to the best student in your current class

Well above average

Top 25%

Above average

Demonstrated high ability

Average

Able to complete the program

Below average

Lower 50%

Inadequate opportunity to observe

**Northeast Alliance
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RECOMMENDATION FORM 2**

DEADLINE: April 1, 2011

TO BE COMPLETED BY APPLICANT

Name _____
First Middle Last

Under the Family Educational Rights and Privacy Act of 1974, a student participating in the University of Massachusetts Northeast Alliance Summer Program for Undergraduate Research (SPUR) has access to his or her program file. The SPUR wishes to comply with this law, while still allowing the student to waive the right to access. If you wish to waive the right to examine this evaluation at a later date, please sign here.

Applicant's Signature: _____
Date

TO BE COMPLETED BY EVALUATOR

An application for admission to SPUR requires evaluations from two individuals who are capable of judging the recent academic and professional promise of the applicant.

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 524 Goodell Building, University of Massachusetts
 Amherst, MA 01003
 Fax: 413-577-1660 Phone: 413-577-4178 Email: prep@grad.umass.edu
 website: www.neagep.org**

(Please Print or Type)

Evaluator's Name _____ Title _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

In what capacity do you know the applicant? _____

How long have you known the applicant? _____

How does this applicant compare with her or his peer group in academic ability?

- | | | | | | | |
|---|---|---|--|---|--|--|
| <input type="checkbox"/> Truly exceptional
<small>equivalent to the best you have known - a person who, in your experience, appears only every few years</small> | <input type="checkbox"/> Outstanding
<small>Comparable to the best student in your current class</small> | <input type="checkbox"/> Well above average
<small>Top 25%</small> | <input type="checkbox"/> Above average
<small>Demonstrated high ability</small> | <input type="checkbox"/> Average
<small>Able to complete the program</small> | <input type="checkbox"/> Below average
<small>Lower 50%</small> | <input type="checkbox"/> Inadequate opportunity to observe |
|---|---|---|--|---|--|--|

