



## University of Washington BOEING/OMA RESEARCH SCHOLARSHIP

### APPLICATION AND AWARD SCHEDULE

Application Deadline	Tuesday, June 30, 2009
Notification of Awards	September, 2009
Beginning Date for Tenure of Awards	Wednesday, September 30, 2009

### GENERAL INFORMATION

#### DESCRIPTION OF THE AWARD

The Boeing/OMA Research Scholarship is intended to support students who are STEM majors (science, technology, engineering, or math), have an interest in research, and possess graduate degree goals. The award will range from \$3,500-\$4,500 for the 2009-2010 academic year. Upon receipt of the award, students will be expected to submit a formal research proposal, conduct three consecutive quarters of research, meet regularly with the EIP staff, present their year's work at both the Undergraduate Research Symposium and the joint Early Identification/McNair Program Annual Spring Research Conference, and comply with the other requirements of Boeing/OMA Research Scholars. Awards are contingent upon the continued availability of funds.

#### APPLICANT ELIGIBILITY:

An applicant should be a student affiliated with one of the following programs or organizations—AISES, EIP, EOP, IC, McNair, MSEP, NSBE, SHPE, or WISE— who:

1. Is interested in conducting a research project with the supervision of a faculty member for the three consecutive quarters of the 2009-2010 academic year;
2. Plans to attend graduate school;
3. Has a minimum of 125 credits;

We give priority to students with a minimum GPA of 3.0, and **who regularly use the services of the programs or organizations listed above.**

#### APPLICATION PROCESS

Students who wish to apply for this award are required to:

1. Discuss their interest in the scholarship with an EIP or McNair staff member (in person);
2. Construct a research project to be conducted over a three-quarter time period;
3. Contact a faculty member to supervise their research; and
4. Submit by **June 30, 2009**:
  - a. A completed application form (application form included in this packet);
  - b. A preliminary proposal detailing the nature of the research problem to be studied, how this project prepares you for your present or future course of study, and your personal goals;
  - c. Two letters of recommendation (one must come from a faculty member who will serve as your project advisor; the other may be a professor, lecturer, instructor, teaching assistant, academic counselor, undergraduate advisor, or employer);
  - d. An official University of Washington transcript; and
  - e. A resume.

## **BOEING/OMA SCHOLARSHIP REQUIREMENTS AND RESTRICTIONS**

### **REQUIREMENTS**

1. All scholarships involve three consecutive quarters of work by a student on a specific research project.
2. All projects require a project advisor with knowledge and qualifications in a discipline appropriate to the student's project that will work closely with the student. EIP/McNair suggests a minimum of two student-advisor meetings per month and requires that these meetings be conducted in person.
3. The applicant may list only one person as the official project advisor, and the advisor must have a faculty appointment at the University of Washington.
4. Recipients of the scholarship must submit a final research proposal, including the project's prediction(s), specific aims, methodology, and timeline signed by the student and the faculty advisor, to EIP/McNair in early Fall Quarter.
5. All projects are expected to result in a substantial research paper that must be submitted to the student's faculty advisor and EIP/McNair for evaluation.
6. All scholarship recipients are expected to present their research findings in a formal oral or poster presentation at the annual UW Undergraduate Research Symposium.
7. All scholarship recipients are expected to orally present their research findings and experiences at the EIP/McNair Annual Spring Research Conference (to be held in May 2010).
8. All scholarship recipients are expected to attend the Boeing/OMA scholars' seminars.
9. The project's faculty advisor must submit an assessment of the student's work at the end of the scholarship period.
10. All scholarship recipients must enroll in an independent study course listed by the faculty sponsor's department.
11. Failure to abide by or perform any of these requirements will result in termination of the scholar's stipend award.

### **RESTRICTIONS**

1. Parents, guardians, other immediate relatives of applicants, and EIP/McNair staff members may not write reference letters or serve as the applicant's advisor on the Boeing/OMA Scholarship.
2. No advisor may work with more than one Boeing/OMA Scholar.
3. Students may only submit one application.
4. Joint projects by two or more students may not be submitted.

### **HOW APPLICATIONS ARE EVALUATED**

A committee composed of EIP/McNair staff and University of Washington faculty members will evaluate each application submitted for consideration. These persons are asked for their judgments about the quality and significance of the proposed project. The scholarship committee represents a diversity of disciplinary and cultural backgrounds.

Evaluators will consider the following issues:

1. The topic's potential to significantly enhance the intellectual development of the applicant.
2. A clearly defined scope for the project and the feasibility of attaining the project's objectives within the scholarship period.
3. The logic and rigor of the project.
4. The compatibility of the applicant's demonstrated ability and academic background with the project's demands.
5. The topic's originality.
6. The strength of the faculty and reference letters.
7. The applicant's academic record.

## **COMPREHENSIVE DESCRIPTION OF APPLICATION**

### **PRELIMINARY PROPOSAL**

The preliminary proposal should be written without jargon in plain language and should be no more than eight single-spaced typewritten pages with a ninth page devoted to a bibliography or reference section. The preliminary proposal should be organized under the following headings:

#### 1. Statement of Qualifications

Applicants should describe their:

- a. Educational background;
- b. Specific project-related experience;
- c. Major intellectual interests; and
- d. How these previous items have prepared the student for conducting the specific research being proposed.

This statement should be no longer than one page.

#### 2. Background and Definition of the Project

Applicants should state the general research topic planned for the scholarship period, explaining:

- a. The theoretical or practical impetus for the research (i.e., what led to this proposed inquiry);
- b. The basic ideas or questions to be explored;
- c. The planned approach and rationale; and
- d. The overall significance of the work to theory or practice (i.e., why this research is important).

If an applicant is awarded a Boeing/OMA Scholarship, a formal research proposal, including the project's hypothesis, specific aims, methodology, and timeline signed by the student and the project's faculty advisor must be submitted to EIP/McNair in early Fall Quarter.

#### 3. Bibliography

Applicants should include a one-page, carefully selected bibliography of the journal articles or books of greatest relevance for the project and a short list of other resources or collections to be used.

### **REFERENCE LETTERS**

One letter of reference should be from the faculty project advisor. Students are encouraged to immediately find and secure a commitment from an advisor to work closely with them on a project. Applicants should provide the project advisor with the Reference Letter Form (enclosed) and a copy of this packet. Letters of recommendation should be sent either to the student—in a sealed envelope signed across the seal—for inclusion in the student's application package, or directly to the EIP/McNair office.

The second letter should be from a professor, lecturer, instructor, teaching assistant, academic counselor, undergraduate advisor, or employer. This person should know the student well enough to speak about her/his scholarship, personality, integrity, and professional promise.

## **APPLICATION INSTRUCTIONS**

### **GENERAL INSTRUCTIONS**

All applications should be word processed with the pages numbered.

An application sheet is enclosed in this packet.

### **CHECKLIST OF APPLICATION MATERIALS**

- [ ] The original copy of the completed application sheet;
- [ ] The project description, which includes:
  - a. A statement of qualifications
  - b. A comprehensive description of the proposed research project, not to exceed 8 pages
  - c. A bibliography or reference section for the project;
- [ ] A reference letter from the project advisor in a sealed envelope, signed across the seal;
- [ ] A second letter of reference in a sealed envelope, signed across the seal;
- [ ] A resume; and
- [ ] An official University of Washington transcript.

### **SEND COMPLETED APPLICATIONS IN A PACKAGE TO**

EIP/McNair Program  
Boeing/OMA Scholars Review Committee  
University of Washington  
Box 355845  
Seattle, WA 98195-5845

For questions about the application process, please contact us at 206-543-6460 or through e-mail at [eip@u.washington.edu](mailto:eip@u.washington.edu).

Applications must be postmarked no later than **June 30, 2009**. There will be no extensions. Students selected to receive an award will be notified in early September, 2009.

**2009-2010 BOEING/OMA RESEARCH SCHOLARSHIP  
APPLICATION SHEET**

1. **Name** \_\_\_\_\_  
(last) (first) (middle initial)

2. **Email Address** \_\_\_\_\_

3. **Address** \_\_\_\_\_  
\_\_\_\_\_  
(city) (state) (zip code)

4. **Telephone Number** \_\_\_\_\_  
(one where you can be reached through September, 2009)

5. **High School Attended** \_\_\_\_\_  
(if from out of state, please include state where H.S. is located)

6. **Number of Credits** \_\_\_\_\_  
(as of Spring Quarter 2009)

7. **GPA** \_\_\_\_\_  
(as of Spring Quarter 2009)

8. **Major** \_\_\_\_\_

9. **Intended Year of Application to Graduate School** \_\_\_\_\_

10. **Intended Program Interest for Graduate School** \_\_\_\_\_

11. **Descriptive Title of Project**  
\_\_\_\_\_  
\_\_\_\_\_

12. **Faculty Sponsor**  
**Name** \_\_\_\_\_  
**Department** \_\_\_\_\_  
**Phone Number** \_\_\_\_\_ **E-Mail** \_\_\_\_\_

**University of Washington  
Office of Minority Affairs**

---

**FACULTY RECOMMENDATION FORM  
BOEING/OMA  
RESEARCH SCHOLARSHIP**

EIP/McNair Program  
Boeing/OMA Scholars Review Committee  
Box 355845  
Seattle, WA 98195-5845  
206.543.6460

This section to be completed by the applicant. Please type.

\_\_\_\_\_

Last name	First name	Middle Initial
-----------	------------	----------------

\_\_\_\_\_

Date	Signature	
------	-----------	--

**Faculty Advisor Name** \_\_\_\_\_

**Title** \_\_\_\_\_

**Department** \_\_\_\_\_

**Work Address** \_\_\_\_\_

**Telephone Number** \_\_\_\_\_

**Email Address** \_\_\_\_\_

EIP/McNair expects the student to enroll in an independent study course (preferably one listed in your department) each quarter and to submit to their advisor a written research paper at the project's conclusion. EIP/McNair requires that the students present their research at the joint EIP and McNair Annual Spring Research Conference, and that the advisor submit to EIP/McNair an evaluation of the student's performance at the end of the scholarship period.

*If this student is selected as a 2009-2010 Boeing/OMA Scholar, I agree to serve as a faculty advisor of this student's work.*

**Signature of Faculty Advisor** \_\_\_\_\_

**Letter of Reference**

Please write a letter on behalf of this student. We expect that you will have seen a written narrative or discussed in great detail the student's proposed project before writing this letter. In your letter, please:

1. Assess the value of the project and comment on the applicant's ability to carry out the project,
2. Comment on your willingness to meet with this student and your availability for mentoring her or him during the academic year; and
3. Comment on how long and how well you have known the applicant.

Please submit this form to the EIP/McNair Program no later than **June 30, 2009**.



**University of Washington  
Office of Minority Affairs**

**REFERENCE LETTER FORM  
BOEING/OMA  
RESEARCH SCHOLARSHIP**

EIP/McNair Program  
Boeing/OMA Scholars Review Committee  
Box 355845  
Seattle, WA 98195-5845  
206.543.6460

This section to be completed by the applicant. Please type.

_____	_____	_____
Last name	First name	Middle Initial
_____	_____	_____
Date	Signature	

**Project Title** \_\_\_\_\_

Waiver: Your applicant evaluation forms must be accessible to you if you are selected as a Boeing/OMA Scholar. We request, but do not require, that you waive your right of access in order to facilitate a completely candid appraisal. If you choose to waive your right of access, please sign below.

**Signature of Applicant** \_\_\_\_\_

**Reference Name** \_\_\_\_\_

**Address** \_\_\_\_\_

**Telephone Number** \_\_\_\_\_

**Signature** \_\_\_\_\_

**Letter of Reference**

The person named above has applied for the Boeing/OMA Scholarship, which is intended to support a student who has demonstrated scholastic achievement, an interest in research, and graduate degree plans. On your letterhead please comment on the applicant's scholarship, personality, integrity, and professional promise. Please include an assessment of the student's strengths and weaknesses. Thank you.

Please submit this form and reference letter to the EIP/McNair Program no later than **June 30, 2009**.