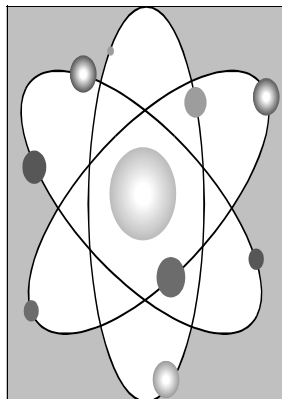


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## PROGRAM BENEFITS



*Next Step One* focuses on summer class and workshops designed to enhance foundational skills in mathematics and physics and laboratory skills in the sciences:

**Mathematics and Physics Workshop**—Pre-calculus and Physics workshop. Build and enhance foundations in algebra, trigonometry, analytic geometry, and physics. Sharpen problem-solving skills.

**Physics Lecture Course: Physics: An Overview**—Introduce and sharpen fundamental understanding of the laws of physics which govern our everyday world. Conduct problem solving sessions. Three hours of general degree credit.

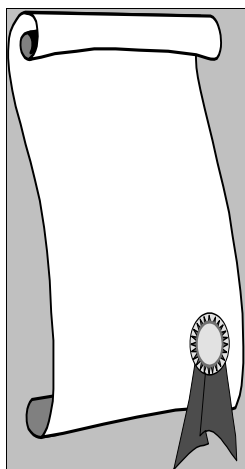
*Participants will receive a stipend of \$2,000 from which summer tuition and textbooks (est. \$500 without exemptions, waivers, etc.) will be deducted for the lecture and workshop course. Three hours of general degree credit will be earned upon successful completion of the lecture course and the workshop.*

One class (June 8-30, 2000) including workshop, Monday through Friday (PHYS 1030-351: 10:20AM-12:35PM). The program offers course-work with feedback; tutorial assistance; and preparation for a more rigorous academic schedule in the fall.

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## ELIGIBILITY

*Next Step One* seeks Freshman or Sophomore minority (African-American, Alaskan Natives, Hispanic-American, Native-American, and Native Pacific Islanders) **undergraduate** students (U.S. citizens only) who are *underrepresented* in



science, engineering, or mathematics **and** who are making satisfactory progress toward a bachelors degree in science, engineering, or mathematics at a Louisiana college or university. Students must be **admitted** by the University of New Orleans (UNO) into eligible programs (those students majoring in Biology<sup>†</sup>, Chemistry, Computer Science, Geology, Mathematics, Physics, or Engineering) for the **2000 Summer First Mini-Session**. LAMP students are also encouraged to apply. *The program is very limited in its enrollment.* Thus, your application should be completed and **returned as far in advance of the May 17, 2000 deadline as possible.**

<sup>†</sup>Students in Pre-Medical, Pre-Dental, Pre-Pharmacy, Pre-Pharmacy, Pre-Veterinary, Pre-Medical Technology, and other Pre-Allied Health Fields (i.e. Therapy, Counseling, etc.) are **NOT** eligible.

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This program is made available by the Louisiana Board of Regents, the National Science Foundation, and the University of New Orleans.

**LAMP**—(Louisiana Alliance for Minority Participation)  
Member or Affiliated Institutions include:

Dillard University, Grambling University; Louisiana State University, Baton Rouge; LUMCON (Louisiana Universities Marine Consortium); McNeese State University; Nunez Community College; Southern University, Baton Rouge; Southern University, New Orleans; Southern University, Shreveport; Tulane University; the University of New Orleans; and the University of Southwestern Louisiana.

## APPLICATION

Return this application form (also available at our web site) (See address below) with the following items:

- ◆ University or College transcript copy
- ◆ Maximum 100-word essay of why you wish to attend

*Next Step One*

## DEADLINE

**All applications must be received by May 17, 2000, however, early registration is urged due to limited enrollment.** Selection is based on academic record and potential benefit to the student. Students selected should be notified and receive further instructions and details by May 19, 2000.

**For further information, write, call, E-Mail, fax, (or visit our WEB SITE):**

**Dr. Milton D. Slaughter**  
*Next Step One*

**Department of Physics**  
**University of New Orleans**  
**New Orleans, LA 70148**

**Tel:(504) 280-6341 Fax: (504) 280-6048.**

**WEB Site Address:**

**<http://www.PhysicsResearch.net/NextStep>**

**E-Mail: [mslaught@uno.edu](mailto:mslaught@uno.edu)**

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Deadline May 17, 2000

## APPLICATION FORM

Name \_\_\_\_\_

[ ]M [ ]F Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Social Security Number \_\_\_\_\_

Overall GPA \_\_\_\_\_

Major Field? \_\_\_\_\_

List Mathematics and Physics courses you have completed:

List (if you are a freshman) your most recent scores:

SAT: MATH \_\_\_\_\_ VERBAL \_\_\_\_\_

ACT: COMPOSITE \_\_\_\_\_

Are you a Scholarship recipient? [ ]Y [ ]N

Have you been accepted to attend the University of New Orleans for the First Summer Mini-Session of 2000? [ ]Y [ ]N

University you plan to attend for Fall of 2000?

*This application must be submitted by May 17, 2000 to Dr. Milton D. Slaughter, Next Step One, Dept. of Physics, University of New Orleans, New Orleans, LA 70148.* The following items should accompany your application:

- ◆ University transcript copy
- ◆ Maximum 100-word essay of why you wish to attend *Next Step One*

Signature \_\_\_\_\_

Date \_\_\_\_\_

A Program for Minority Students

2000

## NEXT STEP ONE

June 8 - June 30



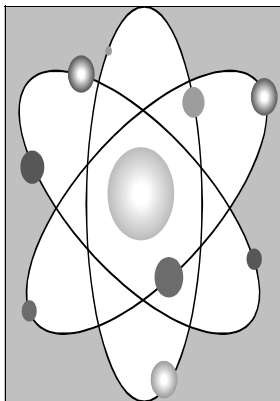
Supported by the

- ◆ Louisiana Board of Regents
- ◆ National Science Foundation  
Alliances for Minority Participation Program  
(AMP)
- ◆ University of New Orleans

Dr. Milton D. Slaughter  
Next Step One  
Department of Physics  
University of New Orleans  
New Orleans, LA 70148

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## PROGRAM BENEFITS



*Next Step Two* focuses on upper-level summer class-work designed to increase the probability that underrepresented minority students who major in certain science, mathematics, engineering, and technological fields ultimately succeed in obtaining the Bachelor of Science degree. Supplemental tutoring for participants will be featured. For Summer 2000, the Program offers:

**Special Topics in Physics: (PHYS 3191-351).** *Introduction to computational, mathematical, and physical techniques important for success in obtaining the Bachelor of Science degree in science, mathematics, engineering, or technology*. Assistance in Graduate Record Examination test-taking will also be provided.

*Participants will receive a stipend of \$2,000 from which summer tuition and textbooks (est. \$500 without exemptions, waivers, etc.) will be deducted for the lecture course.*

*Three hours of general degree credit will be earned upon successful completion of the course.*

One class (June 8-30, 2000), Monday through Friday (PHYS 3191-351: 12:40-2:55PM).

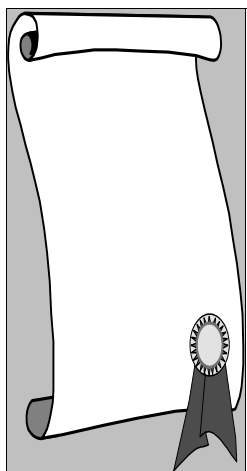
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## ELIGIBILITY

*Next Step Two* seeks Junior or Senior minority (African-American, Alaskan Natives, Hispanic-American, Native-American, and Native Pacific Islanders) **undergraduate** students (U.S. citizens only) who are *underrepresented* in sci-

ence, engineering, or mathematics **and** who are making satisfactory progress toward a bachelors degree in science, engineering, or mathematics at a Louisiana college or university. Students must be **admitted** by the University of New Orleans (UNO) into eligible programs (those students majoring in Biology<sup>†</sup>, Chemistry, Computer Science, Geology, Mathematics, Physics, or Engineering) for the **2000 Summer First Mini-Session**. **LAMP** students are also encouraged to apply. *The program is very limited in its enrollment*. Thus, your application should be completed and **returned as far in advance of the May 17, 2000 deadline as possible**.

<sup>†</sup>Students in Pre-Medical, Pre-Dental, Pre-Pharmacy, Pre-Pharmacy, Pre-Veterinary, Pre-Medical Technology, and other Pre-Allied Health Fields (i.e. Therapy, Counseling, etc.) are **NOT** eligible.



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**T**his program is made available by the Louisiana Board of Regents, the National Science Foundation, and the University of New Orleans.

**LAMP**—(Louisiana Alliance for Minority Participation) Member or Affiliated Institutions include:

Dillard University, Grambling University; Louisiana State University, Baton Rouge; LUMCON (Louisiana Universities Marine Consortium); McNeese State University; Nunez Community College; Southern University, Baton Rouge; Southern University, New Orleans; Southern University, Shreveport; Tulane University; the University of New Orleans; and the University of Southwestern Louisiana.

## APPLICATION

Return this application form (also available at our web site) (See address below) with the following required items:

- ◆ University or College transcript copy
- ◆ Maximum 100-word essay of why you wish to attend

*Next Step Two*

## DEADLINE

**All applications must be received by May 17, 2000, however, early registration is urged due to limited enrollment.** Selection is based on academic record and potential benefit to the student. Students selected should be notified and receive further instructions and details by May 19, 2000.

**For further information, write, call, E-Mail, fax, (or visit our WEB SITE):**

**Dr. Milton D. Slaughter**  
*Next Step Two*

**Department of Physics**  
**University of New Orleans**  
**New Orleans, LA 70148**

**Tel:(504) 280-6341 Fax: (504) 280-6048.**

**WEB Site Address:**

**<http://www.PhysicsResearch.net/NextStep>**

**E-Mail: [mslaught@uno.edu](mailto:mslaught@uno.edu)**

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Deadline May 17, 2000

# APPLICATION FORM

Name \_\_\_\_\_

[ ]M [ ]F Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Social Security Number \_\_\_\_\_

Overall GPA \_\_\_\_\_

Major Field? \_\_\_\_\_

List mathematics and physics courses you have completed:

Have you been accepted to attend the University of New Orleans for the Regular Summer Session of 2000? [ ]Y [ ]N

University you plan to attend for Fall of 2000?

*This application must be submitted by May 17, 2000 to Dr. Milton D. Slaughter, Next Step Two, Dept. of Physics, University of New Orleans, New Orleans, LA 70148.* The following items should accompany your application:

- ◆ University transcript copy
- ◆ Maximum 100-word essay of why you wish to attend *Next Step Two*

Signature \_\_\_\_\_

Date \_\_\_\_\_

A Program for Minority Students

2000

# NEXT STEP TWO

June 8 - June 30



Supported by the

- ◆ Louisiana Board of Regents
- ◆ National Science Foundation  
Alliances for Minority Participation Program  
(AMP)
- ◆ University of New Orleans

Dr. Milton D. Slaughter  
Next Step Two  
Department of Physics  
University of New Orleans  
New Orleans, LA 70148

## Sample *Next Step* Program Acceptance Letter

Dear *Next Step* Participant:

Congratulations on your acceptance into the *Next Step* Program this summer at the University of New Orleans! We are extremely pleased to welcome you as a *Next Step* Participant and as a LSLAMP (*Louis Stokes Louisiana Alliance For Minority Participation*) *Scholar* and to offer you a stipend in the amount of \$2,000 (including tuition, books, and supplies) and we look forward to seeing you in class.

The *Next Step One* Program will give you the opportunity to enhance your foundational skills in mathematics, physics, and laboratory skills in the sciences and engineering. You will have the opportunity to sharpen your problem-solving skills in algebra, trigonometry, analytic geometry, and physics in a workshop and lecture course environment. The *Next Step Two* Program will also allow you to enhance your foundational skills in mathematics, physics, sciences, and engineering. Both Programs are collectively known as the *Next Step Program* and are designed to increase the probability that you—as an underrepresented minority student majoring in an eligible science field—will ultimately succeed in obtaining the Bachelor of Science degree.

*In order to be a Next Step Participant, you must be an undergraduate and U.S. citizen and be of African-American (Black American), Alaskan Native, Hispanic-American, or Native Pacific Island ethnicity (i.e. underrepresented ethnic groups—as determined by the Federal Government—in science, engineering, or mathematics) and making satisfactory progress towards a bachelors degree in science, engineering, or mathematics.* You must also have been **admitted** by the University of New Orleans (UNO) into an **eligible** program [*i.e. majors in Biology, Chemistry, Computer Science, Geology, Mathematics, Physics, or Engineering. Please note that Pre-Medical, Pre-Dental, Pre-Pharmacy, Pre-Veterinary, Pre-Medical Technology, and other Pre-Allied Health Fields such as Therapy, Counseling, or Nursing are NOT eligible*] for the Summer First Mini-session (*Next Step One*) or the Summer First Mini-session (*Next Step Two*).

Should you accept this offer, a stipend in the amount of \$2,000 (less books and supplies) will be posted to your student account. You should receive your stipend check less tuition fees (\$390), any outstanding balances (if you have any) and any appropriate non-refundable fees owed to UNO shortly thereafter. Normally, after all *Next Step* related deductions, your check would then be in the amount of \$1550. Should you withdraw from your *Next Step* class or workshop prior to completion of the tenth day of class, no stipend will be given to you except for extenuating circumstances.

Again, we look forward to your participation in *Next Step* and to having the opportunity to help to ensure that your undergraduate educational experience in science, engineering, or mathematics here at the University of New Orleans will be a fulfilling and wonderful one. If you choose to accept this offer, please print and sign your name on the first page (and initial the second page) of this offer letter and return it (or **fax to 280-6048**—keep a copy for yourself) to the Physics Office **as soon as possible**.

Sincerely,

Dr. Milton D. Slaughter  
**Principal Investigator, Next Step Program**  
University Research Professor of Physics and Chairman, Department of Physics

I accept the *Next Step* Stipend with its attendant conditions as stated in this Offer Letter.

Program: **Next Step One**  **Next Step Two**

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## UNIVERSITY OF NEW ORLEANS *NEXT STEP* PROGRAM

### Registration and Fees

You will be registered automatically for the *Next Step One* or *Next Step Two* classes. **It is important that you initiate and maintain your UNO summer student status for this to occur. It is also important that if you decide to take other classes outside of the Next Step Program, that no schedule conflicts occur.**

### First Day of Class

- Both *Next Step* classes begin. **Please note that you do not need to register for your Next Step class, since that will have been done for you.** Note however that if you wish to take additional classes outside of the Next Step Program (and which **do not conflict** with your Next Step participation), you must register for those classes and pay appropriate fees as usual.
- **Next Step One Participants:** Come to lecture room **SC1073** (in the Science Building) at 10:20AM.
- **Next Step Two Participants:** Come to lecture room **SC2049** (in the Science Building) at 12:40 PM.

### Books and Class

- **Next Step One Participants:** Your books will be provided to you at the first class. Phys 1030-351 (3 credit hour course, general degree credit) will be held 10:20AM—12:35PM, Monday through Friday in SC1073. The final exam is at regular class time.
- **Next Step Two Participants:** Your books will be provided to you at the first class. Phys 3191-351 (3 credit hour course, general degree credit) will be held 12:40PM—2:55PM, Monday through Friday in SC2049. The final exam is at regular class time.

### PROGRAMMATIC ANNOUNCEMENTS

- If you have questions concerning your stipend payments or other program details you may call the Physics Office at 280-6341 (36341 on-campus).
- 
- Please make sure that your official major field (science, engineering, or mathematics) in the UNO registration/admissions system is correct in order maintain your eligibility for the *Next Step* Program.
- 
- We wish to maintain contact with all *Next Step* students throughout their academic careers here at UNO. **Thus, we require that you give us your E-Mail address in June.**
- 
- We expect to have Visiting Minority Guest Scientists not only as lecturers but also as excellent contact sources of information for you.
- 
- It is expected that several *Next Step* students will have the additional opportunity to conduct research with faculty and make faculty supervised presentations (expenses paid) at scientific conferences.

INITIALS \_\_\_\_\_