

SIUC Illinois Louis Stokes Alliance for Minority Participation Application

We are pleased to invite eligible undergraduates to apply for support through the Illinois Louis Stokes Alliance for Minority Participation (ILSAMP) program funded by the National Science Foundation. ILSAMP has the goal of increasing participation of undergraduates from underrepresented groups in science, technology, engineering, and math (STEM) disciplines. ILSAMP is not intended to be a scholarship or fellowship program.

Eligibility:

For a student to be eligible s/he must:

- Be enrolled at SIU Carbondale in a STEM major (see attached list for NSF-supported disciplines)
- Have a cumulative GPA of 2.25
- Be African American, Hispanic American, American Indian/Alaskan Native

Funds provided will be on a competitive basis for students to ***conduct research and/or attend professional meetings.***

The SIU Carbondale ILSAMP program will also sponsor professional and academic enrichment activities throughout the academic year, and we will distribute information on these events as they are organized.

Questions? Please contact curca@siu.edu or 618-453-4433.

Application procedures:

Please submit the following to apply:

1. Completed ILSAMP application form
2. Copy of most current academic transcripts (unofficial transcripts accepted)
3. Description of proposed project
4. Letter of support and completed Faculty Recommendation Form from your faculty sponsor

Please return completed application to:

ILSAMP
Rodrigo Carramiñana, Ph.D
Student Services Building, Room 126, MC: 4730
Southern Illinois University
1263 Lincoln Drive
Carbondale, IL 62901

I. Personal Information *(Please type or print)*

Last Name

First Name

Middle Name

Social Security #

Date of Birth

Dawg Tag #

Current Mailing Address

Permanent Mailing Address

Street Apt #

Street Apt #

City, State

Zip Code

City, State

Zip Code

Telephone Number

Cell Phone

Telephone Number

SIUC E-mail Address

(If you have not already done so, you need to activate your SIUC email account for participation in the LSAMP Program.)

Other E-mail Address

Name and telephone of emergency contact: _____

Gender:

Female

Male

Citizenship:

U.S. Citizen

Permanent Resident

Ethnicity:

• African American

• American Indian or Alaskan Native

• Hispanic/Latino/Latina

• Caucasian

• Other: _____

How did you become aware of the Louis Stokes Program? (Please circle all that apply)

• Email

• Flyer

• Faculty/Staff Member

• Academic Advisor

• Friend

• Presentation

• Letter

• Other: _____

Are you a McNair Scholar (circle one): Yes No

2. Educational Information

Major _____

Department _____

Minor or Dual Major _____

Classification at time of application:

Freshman

Sophomore

Junior

Senior

Academic Advisor: _____

Cumulative GPA _____
Total Credits Earned _____

GPA in Major _____
Anticipated Graduation Date _____ (sem/yr)

If you are a transfer student, please list all of the other institutions you have attended:

Name of Institution _____

City and State _____

Please describe your particular research interest:

Have you thought about attending graduate school? Yes No

Intended graduate school field of study: _____

What school(s) you might be interested in attending?

3. Academic Record and Extracurricular Activities

Please submit a copy of your transcript from your current educational institution and all other colleges and universities you attended (unofficial transcript acceptable).

List previous research experience you had in a university setting or elsewhere (include name of program, institution, year, faculty mentor):

List honors, academic and extracurricular awards, and scholarships that you received:

List membership or participation in academic/campus organizations and activities:

List leadership positions you have held **and** leadership qualities you possess:

4. Proposed ILSAMP Project/Activities:

Attach a brief description of your research project that you and your mentor have discussed as appropriate for your participation in the SIU Carbondale ILSAMP. Use the Research Guidelines below to describe your project.

- A. Title:** A title that describes your conclusion or question in non-technical terms.
- B. Abstract:** A statement that gives a quick overview of your project. Include relevant background to provide a context for understanding the central question or theme of your project. Define acronyms if you use them, and avoid lab jargon. Be sure to cite literature when appropriate.
- C. Objectives, Aims, Goals, or Problem: (If appropriate for your project)** A concise statement of the goal, question, or problem. Include a hypothesis, if appropriate.
- D. Methods: (If appropriate for your project)** A brief description, diagram, or flow chart representing each key process or procedure used to test the hypothesis.

Signature of Applicant

Date

5. FACULTY RECOMMENDATION:

TO STUDENT APPLICANT(S): Please print or type the information requested below, then give this form to your faculty sponsor. It is your responsibility to ensure that this signed form and a letter of support from your sponsor (sealed in an envelope) are included in your application.

STUDENT'S NAME: _____

FACULTY SPONSOR'S NAME and DEPARTMENT: _____

TO FACULTY SPONSOR: Please complete and sign this form and attach a letter of support. Letters should include (1) a candid and confidential assessment of the student's ability to successfully complete the proposed research, (2) a discussion of your specific contributions to the project and your mentoring strategy, and (3) a statement of commitment of your time and appropriate resources to the project. The completed form and letter should be returned to the Center for Undergraduate Research and Creative Activities at Student Services Building, Room 126, Mailcode 4730. Do NOT submit this material electronically.

NOTE: By signing this form, you are agreeing to the following should the student be selected for participate in ILSAMP:

As faculty sponsor for this project, I attest that I have discussed and reviewed the research activity proposed by the above student and, to the best of my knowledge, this application was prepared in the student's own words with only editorial input from me. I agree to: (1) assist and guide the student's research activities on this project; (2) assist the student with preparation of all oral and/or poster presentations for the Undergraduate Creative Activities and Research Forum; (3) advise the student of his/her ethical responsibility to satisfy the conditions of the research participation, including obtaining all relevant compliance assurances and providing information on research integrity (plagiarism, falsification of data, etc.).

SIGNATURE: _____ DATE: _____

DEPARTMENT: _____

PHONE #: _____ E-MAIL: _____

NSF STEM Classification of Instructional Programs Crosswalk

Listed below is the NSF CIP Code Crosswalk for STEM disciplines. All STEM disciplines reported in WebAMP are classified. Multidisciplinary fields should be consistently reported with the primary degree-granting department. Do not enter an individual in more than one discipline.

[Agricultural Sciences](#) | [Chemistry](#) | [Computer Science](#) | [Engineering](#) | [Environmental Science](#) | [Geosciences](#) | [Life/Biological Sciences](#) | [Mathematics](#) | [Physics/Astronomy](#)

Agricultural Sciences

01.09 Animal Sciences
01.10 Food Science and Technology
01.12 Soil Sciences
01.99 Agriculture, Agriculture Operations and Related Sciences, Other
03.0101 Natural Resources/Conservation, General
03.02 Natural Resources Management and Policy
03.03 Fishing and Fisheries Sciences and Management
03.05 Forestry
03.06 Wildlife and Wildlands Science and Management
03.99 Natural Resources and Conservation, Other

Chemistry

40.05 Chemistry
40.0507 Polymer Chemistry

Computer Science

11.01 Computer and Information Sciences, General
11.04 Information Science/Studies
11.07 Computer Science
52.1201 Management Information Systems, General
52.1301 Management Science, General

Engineering

14.02 Aerospace, Aeronautical and Astronautical Engineering

14.03 Agricultural/Biological Engineering and Bioengineering

14.05 Biomedical/Medical Engineering
03.0509 Wood Science and Wood Products/Pulp and Paper Technology
14.07 Chemical Engineering
14.32 Polymer/Plastics Engineering

04.02 Architecture
14.04 Architectural Engineering
14.08 Civil Engineering
14.0803 Structural Engineering
14.0805 Water Resources Engineering
14.14 Environmental/Environmental Health Engineering

14.09 Computer Engineering, General
14.10 Electrical, Electronics and Communications Engineerin

14.12 Engineering Physics
14.13 Engineering Science

14.27 Systems Engineering
30.06 Systems Science and Theory

14.11 Engineering Mechanics
14.19 Mechanical Engineering

14.06 Ceramic Sciences and Engineering
14.18 Materials Engineering
14.20 Metallurgical Engineering
14.28 Textile Sciences and Engineering
14.31 Materials Science
40.9999 Physical Sciences, Other

14.21 Mining and Mineral Engineering

14.23 Nuclear Engineering

14.25 Petroleum Engineering

14.01 Engineering, General
14.22 Naval Architecture and Marine Engineering
14.24 Ocean Engineering
14.99 Engineering, Other

Environmental Science

03.0103 Environmental Studies
03.0104 Environmental Science

Geosciences

40.06 Geological and Earth Sciences/Geosciences
40.0601 Geology/Earth Science, General

Life/Biological Sciences

26.0403 Anatomy

26.0202 Biochemistry

26.01 Biology, General

26.1101 Biometry/ Biometrics
26.1102 Biostatistics
26.1309 Epidemiology

26.0203 Biophysics

26.03 Botany/Plant Biology
26.0305 Plant Pathology/Phytopathology
26.0307 Plant Physiology

26.04 Cell/Cellular Biology and Anatomical Sciences
 26.0401 Cell/Cellular Biology and Histology
 26.0204 Molecular Biology

 26.1301 Ecology

 26.0505 Parasitology
 26.0702 Entomology

 26.0804 Animal Genetics. (NEW)
 26.0805 Plant Genetics. (NEW)
 26.1303 Evolutionary Biology
 26.0806 Human/Medical Genetics

 26.05 Microbiological Sciences and Immunology
 26.0507 Immunology
 26.0504 Virology
 26.0503 Medical Microbiology and Bacteriology

 19.05 Foods, Nutrition, and Related Services
 30.1901 Nutritional Sciences

 26.0910 Pathology/Experimental Pathology

 26.1004 Toxicology
 26.1001 Pharmacology
 26.1004 Toxicology

 26.0707 Animal Physiology. (NEW)
 26.0901 Physiology, General. (NEW)
 26.09 Series Physiology, Pathology and Related Sciences

 26.07 Zoology/Animal Biology

 26.1201 Biotechnology
 26.99 Biological and Biomedical Sciences, Other
 30.01 Biological and Physical Sciences
 30.10 Biopsychology

Mathematics

27.01 Mathematics
 27.03 Applied Mathematics
 14.3701 Operations Research
 27.99 Mathematics and Statistics, Other
 30.08 Mathematics and Computer Science
 27.05 Statistics
 52.1304 Actuarial Science

Physics/Astronomy

40.02 Astronomy and Astrophysics
 40.08 Physics
 40.0807 Optics/Optical Sciences
 40.0809 Acoustics