

OK-LSAMP STEM Scholars Program Mentoring Component



SCHOLAR ACADEMIC YEAR RESEARCH REQUIREMENTS



Sponsored by a grant from the National Science Foundation

Funded by the National Science Foundation, the Oklahoma Louis Stokes Alliance for Minority Participation in Science, Technology, Engineering, and Mathematics (OK-LSAMP STEM) Mentoring Component is designed to serve undergraduate STEM majors who are from underrepresented populations. Currently, OK-LSAMP is targeting Native Americans, African Americans, Hispanics, Native Pacific Islanders, and First Generation Females in good academic standing who have a sincere interest in conducting investigative work in their field.

QUALIFICATIONS

- ☞ OK-LSAMP Scholar
- ☞ Good Academic Standing
- ☞ Optional - you may enroll in one to three hours of Special Problems course(s) in major department.

RESEARCH OUTLINE

An outline of research activities must be submitted. This outline must include:

- ☞ a description of the research and scholarly work to be completed
- ☞ the specific number of hours/week (5-10 hours are required) the scholar will be working
- ☞ signatures of both the scholar and the mentor

This outline is to be completed on the form provided by the OK-LSAMP office, submitted by the last day of the first month of the semester (ie. January 31 or August 31), and be approved by OK-LSAMP staff.

Allowable research activities include, but are not limited to:

- ☞ regularly scheduled meetings with the mentor
- ☞ learning research techniques - prior to project startup
- ☞ regularly scheduled laboratory / field research
- ☞ literature review
- ☞ attending departmental seminars or symposia
- ☞ presentations and preparation for presentations
- ☞ preparing and editing peer reviewed publications

PROGRESS REPORT

At the end of the semester, the scholar is required to submit a Progress Report. Please use the form provided by OK-LSAMP. Term papers or final reports required for class credit may be substituted, however the **form with mentor and scholar signatures must be attached**. Unless prior arrangements are made, reports must be submitted no later than the Monday of Finals Week.

EVALUATION

Near the end of each semester, a brief evaluation form will be sent to the faculty mentor. We ask that the completed evaluation form be returned to OK-LSAMP no later than the Friday following "grades due" day.

OK-LSAMP STEM Scholars Program Mentoring Component



SEMESTER RESEARCH OUTLINE



Sponsored by a grant from the National Science Foundation

Scholar: _____

Printed Name

Signature

Mentor: _____

Printed Name

Signature

Department: _____ **Mentor Phone:** _____

Mentor Mailing: _____ **Student Work Site:** _____

Days/Hours Work is to be Performed (be specific):

--

Check the answer that **best** describes the research project on which the scholar will be working **most**.

- Project of the mentor and/or mentor's lab
- Independent project of the scholar
- Honors Thesis project
- Project for a scholarship (such as Wentz or Niblack)
- Project for a class (such as senior design)

Is the project ongoing? _____ Yes _____ No
If yes, has an overview outline already been provided? _____ Yes _____ No
If no, be sure to provide an overview outline of the entire project.

(Note: if the project is ongoing and/or part of a research scholarship, honors thesis, or class; an overview outline must be provided. This overview may be a copy of the scholarship or thesis proposal or the class syllabus. In addition to the overview, details of the **scholar's research activity** for the **current semester** must be included on the next page.)

Project Title: _____

Purpose: _____

By my signature, I verify I have read and approve the above scholar's research outline.

OK-LSAMP Coordinator

Date

Submit a completed research outline by the last day of the first month of the semester to:
OK-LSAMP, Coordinator, 401 Scott Hall, Stillwater, OK 74078

OK-LSAMP STEM Scholars Program Mentoring Component

Background/Work already accomplished (No more than 100 words):

Current Focus of the Project and Role of the Scholar. Provide specifics on research the scholar will be conducting this semester. Include all activities and skills to be used/learned. These may include activities such as new lab techniques, actual experiments, data collection and analysis, literature review, departmental seminars or symposia, lab and/or mentor meetings, presentations and preparation for presentations, as well as publication creation and editing. If this is a group project (such as for a class), in this section give only details of the **scholar's portion** of the project - provide a copy of the class syllabus as an overall outline of the project. **(No more than 300 words):**

You are encouraged/required to submit an abstract to local, state, and national conferences and symposia (see below).

All scholars (with research) are required to present at the OK-LSAMP Annual Research Symposium.
All juniors and seniors are required* to submit an abstract for Oklahoma Research Day held in the fall.
All juniors and seniors are required* to submit an abstract for OSU Research Week held in the spring.
All scholars are encouraged to submit an abstract for the OK Academy of Science Fall Technical Meeting.
All Scholars are encouraged to submit an abstract for the National Conference of Undergraduate Research (NCU)
All Scholars are encouraged to submit an abstract for any and all other local, state, regional, national, and even international conferences/symposia including discipline specific events. Travel support *may* be available.

* OK-LSAMP understands that life happens. If there is a problem with presenting at the required events, the scholar must visit with Fara and/or Kay regarding a solution.

Submit a completed research outline by the last day of the first month of the semester to:
OK-LSAMP, Coordinator, 401 Scott Hall, Stillwater, OK 74078

OK-LSAMP STEM Scholars Program Mentoring Component



SEMESTER RESEARCH PROGRESS REPORT



Sponsored by a grant from the National Science Foundation

Scholar:

Printed Name

Signature

Mentor:

Printed Name

Signature

Department:

Mentor Phone:

Mentor Mailing:

Student Work Site:

Approximate number of hours scholar spent on research activities **this semester**:

What goals and / or objectives were met during the course of **this semester**?

What problems / issues were encountered during the course of **this semester**?

What was learned during the course of **this semester** (i.e., lab techniques, writing processes, research tips, topic knowledge)?

Was the project completed or concluded? _____ Yes _____ No

If yes, what were the final results? If no, what is the next step in the project?

Is there a plan for you to continue working on this project?

_____ Yes

_____ No

List any presentations you made **this semester** on this project. Be sure to include dates and locations.

List any **recent/new** publications resulting from this project. Provide a copy of the abstract(s) and/or online link(s).

By my signature, I verify I have read and approve the above scholar's research progress report.

OK-LSAMP Coordinator

Date