



The University of Alabama
Developing Leaders in Science Teaching (LIST)
Alternative Master's Degree Scholarship Program for Biology,
Chemistry, and Physics Pre-Service Secondary Science Teachers
UA NSF LIST Scholarship Application Form

Scholarship opportunities are available in the University of Alabama- Developing Leaders in Science Teaching (LIST) Program. The LIST Scholars program, funded through the National Science Foundation, recruits *Biology, Chemistry, and Physics BS* graduates to become certified science teachers.

The University of Alabama LIST Scholarship covers up to \$17,100 for graduate students to complete a fast track one year Teacher Certification MA Program in General Science, Biology, Chemistry, or Physics Education beginning May, 2020. The secondary science certification Master's degree certifies the teaching of science in grades 6-12 in Alabama, other states, and overseas.

As a graduate of the MA program you will teach in your certification field in a high needs school system and receive a \$10,600 salary supplement each year for two (and possibly for up to four) years, ending in May 2023, above the regular MA teacher level salary. During this required four years as a science teacher, you will register for and complete a minimum of 6 tuition free credit hours of additional graduate coursework and an extensive induction program to support your classroom science teaching. With LIST, science teacher salary starts in the low to mid \$50,000s.

Eligibility:

- A) About to graduate with a Biology, Chemistry, or Physics Bachelor's degree in May, 2020 or Already graduated with a Bachelor's or Master's degree (Career changers are eligible)
- B) Have a GPA of 3.0 or greater in your undergraduate program
- C) A passing score on the comprehensive science national Praxis test (Educational Testing Service, 2016) general science, biology, chemistry, or physics. Take discipline test in your major for application process. And later in General Science if needed for Certification.
- D) GRE or MAT score meeting minimum UA Graduate School requirements
- E) Be US Citizen, Permanent Resident, or US National
- F) Completed course deficiencies and prepared to start a MA Alternative Certification in Secondary Science Education in your Major Field or in a General Science Field. *General science is the preferred certification to obtain.*

Want to know more? Contact: Dennis Sunal at dwsunal@ua.edu

Applications are due **Now** and end May, 2020 or when all positions are filled. Apply early, the number of scholarships is limited. Eight hours of prerequisite courses will need to be completed before or at the beginning of the MA program.

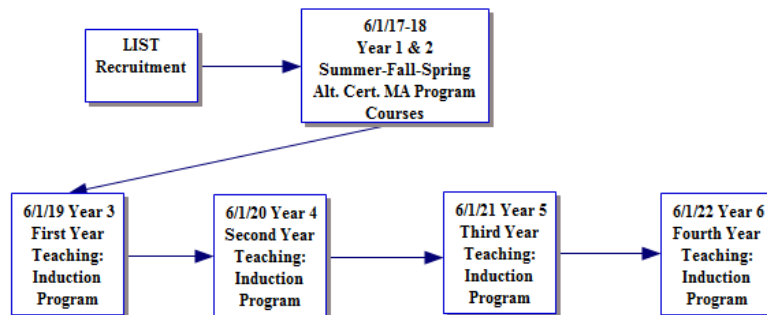
The LIST program develops and implements a science teacher program to increase the number and diversity of graduates/professionals in biology, chemistry and physics who are certified as secondary science teachers in high needs school systems. The aim is to fast track participants in a strong clinically-based Master's Degree teacher certification program developing their skills in engaging diverse students. The program has a long-term focus of moving its teachers from mentored novices to science teacher leaders in the education community. The project's timeline begins in Year 1 with preservice coursework ending with graduation and teacher certification in an MA program. A 4-year induction program follows in schools as new science teachers, LIST teachers.

Figure 5: Teacher Education Program

Summer 12 Cr Hrs)	Fall 15 Cr Hrs)	Spring 9 Cr Hrs)	Induction (4 years)
3 Graduate science content courses Cultural studies	Science methods Literacy and diversity Assessment Technology in science teaching/learning Clinical field experience Graduate science content course	Advanced science methods Teaching Internship field experience	In-service science teaching program in a high needs LEA as a member of a PLC

The LIST program has 4 major goals with objectives addressing high needs school systems including 1) increasing the number and diversity of certified science teachers, 2) developing preservice teacher expertise through intensive clinical field experiences, 3) team mentoring through collaborative strategies, Professional Learning Communities (PLCs), supporting and sustaining LIST graduates through an evolving induction program, and 4) fostering LIST graduates leadership skills. LIST graduates commit to teaching science in a high needs school system.

Figure 1. Timeline for Developing Science Teacher Leaders (LIST) Program



LIST actively recruits STEM professionals from university graduates with STEM degrees, STEM professionals from local communities, individuals currently teaching without certification, campus STEM seniors about to graduate, and STEM professionals through social/local media outreach.

LIST will implement a preservice and induction model developed and centered on PLCs to transform science teaching with a focus on high-needs school systems in the state, over 90% of Alabama school systems. The LIST model provides a multistage transformative approach, incrementally moving preservice science teachers to becoming teacher leader

The continuing eligibility of scholarship/loan or stipend recipients during their academic program will be monitored each semester using three criteria: (1) maintaining minimum overall GPA of 3.0 for graduate students and a graduation GPA of 3.25, (2) making adequate continuous progress towards degree completion, and (3) demonstrating appropriate professional dispositions. LIST recipients will provide an annual written report to the LIST scholarship/stipend committee or a designated representative each semester

for a compliance check. Recipients will lose their funding for the subsequent semester/year if the requirements are not met, scholarship, graduate tuition, or salary stipend. In addition, if the recipient fails to comply, the promissory note for the scholarship funds already received, or portion thereof, becomes due and payable with interest. The University of Alabama has well established policies and procedures in place to monitor, track, and encourage compliance with financial aid agreements.

Compliance Criteria

- (1) Recipients must commit to teaching 4 years following MA graduation years as a science teacher in a high school or middle school in a high-need school district in the United States. High-need school districts are defined as having: (a) a high percentage of individuals from families with incomes below the poverty line, (b) a high percentage of secondary science and/or mathematics school teachers not teaching in the content area in which the teachers were trained to teach, or (c) a high teacher turnover rate.
- (2) Participation in the LIST induction and mentoring program including activities, meetings, workshops and completion of an induction Master's Degree level graduate courses held in fall, spring, or summer semesters during each year as a part of the commitment of the scholarship/stipend. Note: Tuition will be paid by LIST for the graduate courses if completed before 5/30/23.
- (3) LIST recipients are required to report yearly on professional activities following graduation to the scholarship/stipend committee or a designated representative.
- (4) Participation in UA-Noyce evaluation (i.e. surveys, interviews, focus groups, teaching observations) as part of the LIST continuing assessment program.
- (5) Maintain contact and provide LIST designated representative, an annual certification of employment and current contact information for the time specified in (2).

Application Information

The Application Form below should be used to apply for LIST. The form will also be available at the following website. <http://www.education.ua.edu/secondary/science>. Applications are due **Now** and end May, 2020 or when all positions are filled. Apply early, the number of scholarships is limited.

Current UA students' records will be obtained by UA-Noyce from Degree Works. Others send a copy of current transcripts, sent to Dennis Sunal, P.O. Box 870232, The University of Alabama, Tuscaloosa, AL 35487-0323.

For additional information contact:

D. W. Sunal, Department of Curriculum and Instruction, Box 870232, University of Alabama or email responses for this application to dwsunal@ua.edu



UA NSF LIST Scholarship Application Form

- (1) Name: _____ (2) Student UA CWID Number: (if UA student) _____
- (3) Permanent Address: (Number and street, city, state, zip code) _____
- (4) Local Address if different from permanent address ((Number and street, city, state, zip code) _____
- (5) Email address: _____ (6) Phone: _____
- (7) Date of Birth: _____ (8) Gender (optional): Male _____ Female _____
- (8) Present work position/location? _____
- (9) Bachelor's Degree Major _____ Minor _____
- (10) Undergraduate degree obtained at which university? _____ Send transcripts.
- (11) A. Overall GPA based on full undergraduate transcripts _____
B. Science Course GPA based on full transcript _____
C. GRE/MAT score _____ (indicate which one). Needed for UA Graduate School
D. Praxis Science Content test name _____ and score _____
Take discipline test in your major.
- (12) Anticipated year/semester that you will begin taking courses? (Summer or Fall only) _____
- (13) Attach a copy of your transcripts (official or unofficial copy)
- (14) I am a: ___ US Citizen ___ Permanent Resident ___ US National
- (15) Race/Ethnicity/Identified Disability status (optional): _____
- (16) Three individuals submitting recommendations. Note: References should send/email their letters to Dennis Sunal at dwsunal@ua.edu. If you successfully complete UA admission to Graduate School, do approve our use of your UA Graduate School references instead? Yes ___ No ___

Name	Affiliation	Relationship

(17) FAFSA: Indicate whether or not you have a financial need statement (FAFSA) on file at the University of Alabama. YES _____ NO _____

(18) Below, complete and attach a statement (500 words or less) addressing the following:
What have you done professionally and personally to prepare yourself to become a science teacher (e.g. participation in school outreach experiences, tutoring, serving as a college Learning Assistant, administering/judging Science Olympiad or a secondary school science fair)? If you successfully complete the UA admission to graduate school, use of your submitted UA Graduate School Letter of Intent instead.

**Email this application to Dennis Sunal at dwsunal@ua.edu
Department of Curriculum and Instruction- Science Education
The University of Alabama**

Upon receipt, the application will be evaluated by the UA LIST scholarship selection committee