



**STUDENTS AND TEACHERS AS RESEARCH SCIENTISTS**

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LMI Aerospace Inc./D3 Technologies, Office of the Chancellor-UMSL,  
Saint Louis University, Washington University, St. Louis College of Pharmacy,  
Solae Company, Green Foundation, Monsanto Co., Academy of Science of St. Louis  
*in Partnership with*  
Donald Danforth Plant Science Center, Saint Louis University,  
Solae Company, Washington University, and the University of Missouri-St. Louis

**2012 STUDENT APPLICATION**

**Correspondence from STARS will be sent via E-mail (please check daily)**

DEADLINE: MUST be emailed or postmarked by March 28 (to be completed by applicant; preferably typed).

I. A. Applicant's Name: \_\_\_\_\_  
Last First Middle

(This name will be used for all graduation certificates, programs and directories. Please provide pronunciation where helpful)

What first name would you like to be called during the program: \_\_\_\_\_

E-mail for this spring and summer: \_\_\_\_\_

Your cell phone number for this spring and summer: \_\_\_\_\_

B. Home Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Street City, State, Zip Code

Name of High School: \_\_\_\_\_ Phone: \_\_\_\_\_

Principal or Chief School Administrator: \_\_\_\_\_

Their E-Mail (required): \_\_\_\_\_

School Address: \_\_\_\_\_  
Street City, State, Zip Code

C. Sex:  Female  Male U.S. Citizen:  Yes  No Age: \_\_\_\_\_ Grade Level:  10<sup>th</sup>  11<sup>th</sup>

Ethnic Background:  African-American  Native American or Alaskan  Asian or Pacific Islander  
(optional)  Hispanic  White, Non-Hispanic  Other \_\_\_\_\_

Do you have any significant medical condition(s) of which the faculty and staff should be aware?  Yes  No

If yes, please describe: \_\_\_\_\_

Do you have comprehensive accident and health insurance?  Yes  No Company: \_\_\_\_\_

Name(s) of Parent(s) or Guardian(s): \_\_\_\_\_

Preferred E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_

E. Pre-collegiate Programs Attended: (e.g., Missouri Scholars Academy) \_\_\_\_\_

II. 1. Indicate the level of your current interest in science and mathematics:

- I am committed to a career in science and/or math.
- I am highly interested in science and/or math.
- I am moderately interested in science and/or math.
- I could be convinced to be interested in science and/or math.
- I like science and/or math but I am currently more interested in: \_\_\_\_\_

Comments: \_\_\_\_\_

2. What are your long-range career goals : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

3. List activities (outside of regular class work) that reflect your interests. Include hobbies. Consider activities based on problem solving or creative efforts: math, science, computer projects; participation in science fairs, JSEHS, MJAS, or JETS; badges in 4-H and Scouts; attendance at science or math programs; etc.

\_\_\_\_\_  
 \_\_\_\_\_

4. Please list all courses completed. Be sure to include courses and grades for 1<sup>st</sup> and 2<sup>nd</sup> semesters of the academic year. You must request that your school attach a transcript.

9 <sup>th</sup> Grade			10 <sup>th</sup> Grade				11 <sup>th</sup> Grade		
Course	Semester Grade		Course	Semester Grade		Course	Semester Grade		
	1	2		1	2		1	2	

5. What is your cumulative grade point average in grades 9 through the last fall semester? \_\_\_\_\_ / 4.00

6. What topics in science/math interest you? Be as specific as possible. \_\_\_\_\_  
 \_\_\_\_\_

7. How interested are you in writing research papers?  
 Not interested    Slightly    Moderately    Very    Strongly   Comments: \_\_\_\_\_

8. If you were allowed, in what area or on what problem would you like to investigate or do a research project?  
 \_\_\_\_\_  
 \_\_\_\_\_

9. How much time and effort are you willing to put into a research project of your own? \_\_\_\_\_
- 
10. List school organizations and activities in which you are involved. Mention leadership positions that you have held.
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11. List awards, honors or recognition you have received in and out of school: \_\_\_\_\_
- 
12. List your top three career interests in order and give them a relative interest rating value of 1-100 points in relation to each other. Points must add up to 100.
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
- } 100 points
13. What is the highest post-high school degree to which you aspire: Please put a confidence level in the appropriate blank from 1-100%. \_\_\_\_\_ A.A.; \_\_\_\_\_ B.S.; \_\_\_\_\_ M.S.; \_\_\_\_\_ Ph.D. (doctoral) \_\_\_\_\_ Other
- In what field(s)? \_\_\_\_\_
14. Will you need a job this summer?  Yes  No If yes, how many hours per week do you plan to work? \_\_\_\_\_
- What kind of job? \_\_\_\_\_ How much do you expect to clear (net) this summer? \$ \_\_\_\_\_
15. To what degree would you be interested in continuing your research project beyond the six-week program?
- None at present  Very Little  Somewhat  Most Likely  Highly  Absolutely Certain
16. What is your t-shirt size?  Small  Medium  Large  X-large  XX-Large
17. Need vegetarian meals?  Yes  No Other special dietary requirements? \_\_\_\_\_
18. Will you, without variance, commit yourself to the necessary time, including some evening hours, needed to satisfactorily participate in all academic and social activities that are part of the schedule of the STARS program?
- Yes  No Statement of strength of commitment: \_\_\_\_\_
- 
19. Would you prefer an electronic or printed version of the STARS student directory? \_\_\_\_\_
20. Student Essay: Write a one-page essay on one of the following topics and attach it to this application.
- \_\_\_\_\_ A. The science or mathematics research project that you would personally like to do.
- \_\_\_\_\_ B. A particular problem in math or science that you feel needs to be addressed.
- \_\_\_\_\_ C. Your relationship as an individual to society, science and/or technology.
- \_\_\_\_\_ D. Something you feel is of particular importance or significance to society.
21. Students must submit all standardized test scores taken (PSAT, SAT, PACT, ACT, etc.) and at least one (1) letter of recommendation from a science teacher, counselor or principal.

APPLICATION INFORMATION TO BE SUBMITTED (include all nine):

1. 2012 application.
2. Complete transcript.
3. All standardized test scores taken (PSAT, SAT, PACT, ACT, etc.).
4. Student essay.
5. At least one (1) letter of recommendation from a science teacher, counselor, or principal that must include their e-mail address.
6. List of mentor choices ranked one to seven.
7. Signed PERMISSION AND BINDING COMMITMENT AGREEMENT shown below.
8. Financial aid application (if needed).
9. A check made payable to UMSL for \$75.00 for your non-refundable, application fee.

