Laboratory for Laser Energetics
High School Summer Research Program—Application Form
8 July to 30 August 2019

PLEASE FULLY COMPLETE AND RETURN THIS FORM TO:

DR. R. STEPHEN CRAXTON
SUMMER HIGH SCHOOL RESEARCH PROGRAM
UNIVERSITY OF ROCHESTER
LABORATORY FOR LASER ENERGETICS
250 EAST RIVER ROAD
ROCHESTER, NEW YORK 14623-1299

DEADLINE: Applications must be received by 5 PM on 18 MARCH 2019

First Name __________________________________________

Last Name __________________________________________

Address __________________________________________

City __________________________ State _______ Zip ___________

Citizenship U.S. Citizen Yes ☐ No ☐ (Note: U.S. citizenship required. You MUST complete this question.)

Home Telephone (___)______—__________ Mobile Telephone (optional) (___)______—__________
e-mail (NOTE: most communication will be via e-mail) ____________________________

1. Male ☐ Female ☐ 2. Date of Birth

   month    day    year

3. Name of a parent or guardian you live with:

   Last ___________ First __________ Middle ___________

4. What is the name of the school that you are presently attending?

   Name __________________________________________

   (PLEASE PRINT FULL NAME OF SCHOOL)

   City __________________________ State _______ School Telephone Number (___)_______________

   (area code)

5. Indicate the grade you are enrolled in at this school (2018-2019 school year).

   ☐

6. Rank in terms of who you think had the most influence on whether you took (or will take) science or math courses. (1 = most influence; 5 = least influence)

   ☐ I did  ☐ Parents/guardians  ☐ Teachers  ☐ Counselors  ☐ Friends

7. How interested are you in taking more science and mathematics courses at school?

   ☐ Extremely interested  ☐ Very interested  ☐ Somewhat interested  ☐ Not very interested
8. Check all of the following subjects that you have completed or are currently taking. Please also indicate if there was a lab component.

<table>
<thead>
<tr>
<th>MATHEMATICS/COMPUTER SCIENCE (check all that apply)</th>
<th>Check here if there was a lab component</th>
<th>SCIENCE (check all that apply)</th>
<th>Check here if there was a lab component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics, grade 6</td>
<td></td>
<td>Science, grade 6</td>
<td></td>
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<tr>
<td>Mathematics, grade 7</td>
<td></td>
<td>Science, grade 7</td>
<td></td>
</tr>
<tr>
<td>Mathematics, grade 8</td>
<td></td>
<td>Science, grade 8</td>
<td></td>
</tr>
<tr>
<td>Algebra, 1st year</td>
<td></td>
<td>Biological, Environmental, Life Sciences</td>
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<tr>
<td>Algebra, 2nd year</td>
<td></td>
<td>Chemistry</td>
<td></td>
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<tr>
<td>Geometry</td>
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<td>Physics</td>
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<tr>
<td>Trigonometry</td>
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<td>Physical Science</td>
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<tr>
<td>Computer Programming</td>
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<td>Earth/Space Sciences</td>
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<tr>
<td>Probability, Discrete Mathematics</td>
<td></td>
<td>Advanced Science, AP Science</td>
<td></td>
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<tr>
<td>Advanced Mathematics, Pre-Calculus</td>
<td></td>
<td>Other (specify)</td>
<td></td>
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<tr>
<td>Calculus</td>
<td></td>
<td></td>
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<tr>
<td>AP Calculus</td>
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<tr>
<td>Other (specify)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

9. What is your approximate average this school year in all subjects combined?

A  B  C  D  F  (Circle one)

10. For each of the school subjects listed below, mark the statement that best describes your grades from ninth grade until now

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATHEMATICS</th>
<th>SCIENCE</th>
<th>SOCIAL STUDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mostly A’s (a numerical average of 90–100)</td>
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<tr>
<td>Mostly B’s (80–89)</td>
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<tr>
<td>Mostly C’s (70–79)</td>
<td></td>
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<td></td>
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<tr>
<td>Mostly D’s (60–69)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My classes are not graded</td>
<td></td>
<td></td>
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</tbody>
</table>

11. How likely is it that you will become a scientist, engineer, or mathematician in the future?

Better than 50% chance  50% Chance  Less than 50% chance

12. How far in school would you like to go? (Check only one)

- Won’t finish high school
- Would like to graduate from HS, but won’t go any farther
- Would like to go to vocational, trade or business school after HS
- Would like to attend college
- Would like to graduate from college
- Would like to attend higher level of school after graduating from college

13. If you plan to go to college, list your choice of majors. (See list below)

First choice — _____  Second Choice — _____  Third Choice — _____

01 - Agriculture and Natural Resources
02 - Architecture and Environmental Design
03 - Astronomy
04 - Biological and Life Sciences
05 - Business and Commerce
06 - Chemistry
07 - Communications (Advertising, Business, etc.)
08 - Computer Technology
09 - Computer Science
10 - Earth Sciences and Geology
11 - Education
12 - Engineering and Engineering Technologies
13 - Foreign Languages and Classical Languages
14 - Health Professions
15 - Home Economics
16 - Language and Literature
17 - Library Science
18 - Mathematics
19 - Military Sciences
20 - Philosophy, Religion, and Theology
21 - Physics
22 - Social Sciences
23 - Technical and Vocational
24 - Other, Specify __________________
14. **How certain are you of your FIRST CHOICE of major in question #13 above?**
   - [ ] Very Certain
   - [ ] Fairly Certain
   - [ ] Not Certain

15. **Indicate below the address of a person who will always know how we can contact you in the future for possible follow-up questions.**

   Name
   
   Relationship
   
   Address
   
   City __________________________ State ________ Zip __________

   Telephone Number (____)_____ - _______ (Home) (____)_____ - ___________ (Work)

16. **(Response to this question is strictly voluntary.) Are you:**
   - [ ] White (not of Hispanic origin)
   - [ ] Hispanic
   - [ ] Asian
   - [ ] Black (not of Hispanic origin)
   - [ ] American Indian or Alaskan Native
   - [ ] Pacific Islander
   - [ ] Other (Specify)

   **Check list** A complete application must include the following:
   - Application form
   - Letter indicating student’s desire to participate in the program
   - Essay describing student’s interest in science and technology, and future goals
   - Letter of recommendation from a science or math teacher
   - Copy of transcript (grades 9–present)
   - Copy of student’s most recent report card.

   **Reminder** Students must be available to start on the first day of the program.

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**Note:** All complete applications will be promptly acknowledged. If the student does not receive this acknowledgement it may be because the transcripts or letter of recommendation have not been received. It is the student’s responsibility to make sure that all items in the above list are received on time.