Laboratory for Laser Energetics
High School Summer Research Program—Application Form
9 July to 31 August 2018

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 19 MARCH 2018

First Name

Last Name

Address

City State Zip

Citizenship (Note: U.S. citizenship is 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 (2017-2018 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/</th>
<th>Check here if</th>
<th>SCIENCE</th>
<th>Check here if</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTER SCIENCE</td>
<td>there was a</td>
<td>(check all that apply)</td>
<td>there was a</td>
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<tr>
<td>(check all that apply)</td>
<td>lab component</td>
<td></td>
<td>lab component</td>
</tr>
<tr>
<td>Mathematics, grade 6</td>
<td></td>
<td>Science, grade 6</td>
<td></td>
</tr>
<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>
<td></td>
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<tr>
<td>Algebra, 2nd year</td>
<td></td>
<td>Chemistry</td>
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<tr>
<td>Geometry</td>
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<td>Physics</td>
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<td>Trigonometry</td>
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<td>Physical Science</td>
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<tr>
<td>Computer Programming</td>
<td></td>
<td>Earth/Space Sciences</td>
<td></td>
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<tr>
<td>Probability, Discrete</td>
<td></td>
<td>Advanced Science, AP Science</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td>(specify)</td>
<td></td>
</tr>
<tr>
<td>Advanced Mathematics,</td>
<td></td>
<td>Other (specify)</td>
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<tr>
<td>Pre-Calculus</td>
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<tr>
<td>Calculus</td>
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<tr>
<td>AP Calculus</td>
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<tr>
<td>Other (specify)</td>
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</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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<td></td>
<td></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>
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<tr>
<td>Mostly D’s (60–69)</td>
<td></td>
<td></td>
<td></td>
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<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)  [ ] American Indian or Alaskan Native
   - [ ] Hispanic  [ ] Pacific Islander
   - [ ] Asian  [ ] Other (Specify)
   - [ ] Black (not of Hispanic origin)

      • **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.**