

# Student Application – MMSS 2004

Name: \_\_\_\_\_  
Last First Middle

SSN: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_

U.S. Citizen (circle one) Y / N Gender (circle one) M / F

Home Address: \_\_\_\_\_  
Street Apt # City State Zip

Home Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ E-mail Address (Very important!): \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

Parent/Guardian Home Address: \_\_\_\_\_  
Street Apt # City State Zip

Parent/Guardian Home Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Work Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

High School: \_\_\_\_\_ Current Grade: \_\_\_\_\_ Graduation Year: \_\_\_\_\_

High School Address: \_\_\_\_\_  
Street City State Zip

Please check one box which you think best applies to you:  
(This is voluntary, for reporting purposes only.)

- African American/Black (not of Hispanic origin)
- Hispanic/Latino (Spanish culture or origin, regardless of race)
- Asian or Pacific Islander (includes the Indian sub-continent)
- White
- American Indian or Alaskan Native Tribe

I am applying for the following sessions (please check all that apply)

\_\_\_\_ Commuter Program (\$950/2 weeks or \$1900/4 weeks)  
\_\_\_\_ Residential Program (\$1550/2 weeks or \$3100/4 weeks)  
    \_\_\_\_ Session I: June 28 - July 9, 2004 (note: Many students attend both sessions!)  
    \_\_\_\_ Session II: July 12 - July 23, 2004

Name of preferred roommate (optional) \_\_\_\_\_

Please enclose a copy of your high school transcript or ask your school to mail it to:  
**Math and Science Scholars 2004, University of Michigan, Department of Mathematics**  
**525 East University, 2082 East Hall, Ann Arbor, MI 48109-1109**

Please ask one of your most recent high school science or math teachers to send a letter of recommendation. A form is attached for this purpose. They may mail it directly to the address listed above or you may enclose the letter with your completed application and transcript. *Recommendations can also be e-mailed directly to [mmss@umich.edu](mailto:mmss@umich.edu).*

Please enclose a \$100 check (payable to the MMSS Program ) with your application, **making sure the student's name is on the check**. This application fee will be applied towards your tuition and fees if you are admitted and returned to you if you are not admitted. You will be notified of our decision beginning the second week of May. **The balance of the program tuition and fees will be due by June 1, 2004.** Final payment must be received prior to this date. Students accepted into the program will receive an information packet and contract to be reviewed and signed by their parents. The contract must be received by June 1st, 2004.

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Parent or Guardian: \_\_\_\_\_ Date: \_\_\_\_\_

# Course Selections - MMSS 2004

Please rank courses in your order of preference for the session(s) you will be attending.  
Rank choices 1-3 with 1 being your first choice course.

Session I: June 28 – July 9, 2004

- \_\_\_\_\_ Explorations of a Field Biologist (Schueller)
- \_\_\_\_\_ Fibonacci Numbers (Hochster)
- \_\_\_\_\_ Genome Sequences and Human Health (Jeyabalan)
- \_\_\_\_\_ Sampling, Surveys, Monte Carlo and Inference (Rothman)
- \_\_\_\_\_ The Mysteries of Embryology (Tosney)
- \_\_\_\_\_ Fortunes Made and Lost: Financial Mathematics (Kausch)

Session II: July 12 – July 23, 2004

- \_\_\_\_\_ Codes, Ciphers and Secret Messages (Dean)
- \_\_\_\_\_ Geometry and the Imagination (Dolgachev)
- \_\_\_\_\_ Mathematical Modeling in Biology (Jackson/Nelson)
- \_\_\_\_\_ Roller Coaster Physics (Kurdak)
- \_\_\_\_\_ The Luminous Universe (Swift)
- \_\_\_\_\_ The Nature of Infinity (Uribe)
- \_\_\_\_\_ The Physics of Magic and the Magic of Physics (Becchetti/Raithel)

## Application for Financial Support

To be considered for support, it will be necessary to provide us with a copy of your parents' or guardians' 2003 tax return. If it is not available at the time of application, the tax return may be mailed separately, but it must be received as soon after April 15, 2004 as possible. We cannot consider your application for financial aid until we have this document.

- \_\_\_\_\_ Check here if you are applying for need-based financial support. Please include a brief explanation for applying on a separate sheet.

Please note that application materials will be reviewed beginning Tuesday, April 1, 2004. Detailed information about the program and payment information will be sent with notification of acceptance. All application materials should be sent to:

**Michigan Math and Science Scholars 2004**  
**University of Michigan**  
**Department of Mathematics**  
**525 East University**  
**2082 East Hall**  
**Ann Arbor, MI 48109-1109**

### Application Process Checklist:

- Completed Application: \_\_\_\_\_
- Course Selections: \_\_\_\_\_
- High School Transcript: \_\_\_\_\_
- Letter of Recommendation: \_\_\_\_\_ (form attached)
- Student Research Statement: \_\_\_\_\_ (form attached)
- \$100 Application Fee: \_\_\_\_\_
- Financial Support Requested: \_\_\_\_\_ *Optional*

For questions and further information, write to the address above or send email to [mmss@umich.edu](mailto:mmss@umich.edu). You may also contact the MMSS office at (734) 647-4466. Visit our website at <http://www.math.lsa.umich.edu/mmss/>

# STUDENT RESEARCH STATEMENT - MMSS 2004

Name of Student: \_\_\_\_\_

Please include a brief statement of explanation as to why you would like to participate in MMSS during the summer of 2004. You should include courses you have taken, external influences, research interests you have that draw you to this program, or other relevant information to help us evaluate your application material. If additional space is needed, please attach an extra sheet or use the back of this form.

Please return this to the MMSS program by **April 1, 2004** to:

**Math and Science Scholars 2004, University of Michigan, Department of Mathematics**

**525 East University, 2082 East Hall, Ann Arbor, MI 48109-1109**

fax: 734.763.0937

For more information, contact the Program Office at (734) 647-4466

**mmss@umich.edu**

# STUDENT RECOMMENDATION

Dear Teacher,

We would appreciate your comments about the student who is applying to the Michigan Math and Science Scholars summer program. Please describe the nature of his or her math or science ability, intellectual and social maturity, creativity, potential and any other factors that you believe we should consider when reviewing the application. If additional space is needed, please attach an extra sheet or use the back of this form. This recommendation may be sent via e-mail to **mmss@umich.edu**.

Name of Student requesting letter: \_\_\_\_\_

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Teacher's Name \_\_\_\_\_ Date \_\_\_\_\_

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Work Address:      Street                                      City                                      State                                      Zip

Phone number: (    ) \_\_\_\_\_ Best times to call: \_\_\_\_\_

Please return this form by **April 1, 2004** to:

**Math and Science Scholars 2004, University of Michigan, Department of Mathematics  
525 East University, 2082 East Hall, Ann Arbor, MI 48109-1109**

For more information, contact the Program Office at (734) 647-4466  
**mmss@umich.edu**