2019 UMES SUMMER TRANSPORTATION INSTITUTE

Information and Application Form

The purpose of the UMES Summer Transportation Institute is to create awareness and stimulate interest among middle school students on the Lower Eastern Shore of Maryland about the vast transportation careers available and provide them with the opportunities to explore the exciting field of the Transportation Industry. The students will undergo an integrated program in Mathematics, Science, Communication Skills/English and Recreation as well as activities in Land, Air and Water Transportation and be assigned field work projects and participate in regularly scheduled trips to local transportation related facilities. Other areas covered include Civil Rights and Environmental Stewardship. The Institute is for two (2) weeks from Monday, June 17th to Friday, June 28th 2019. Each participant will be provided lunch for the period and a Casio FX 9860 G II Scientific Calculator. Each student must make transportation arrangement to and from UMES. However, transportation will be provided for limited participants based on need. Students who need transportation should indicate it their application. The program will run from 8 am to 5 pm daily. The Institute is at no cost to selected students.

Applicants must:

1. Be enrolled in middle school (Grades 7-8) in Worcester, Wicomico or Somerset County for the Fall 2018 semester.

2. Have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

3. Have an expressed interest in engineering, science, transportation, or technology careers.

4. Underserved, Female and First time applicants are encouraged to apply

5. Applications must be typed or printed in ink.

Applications must be received on or before Friday, May 31, 2019 along with a copy of the student’s most recent transcript. Completed applications should be sent to:

Dr. Joseph O. Arumala, P.E., F. ASCE
Professor & Director
UMES Summer Transportation Institute
Department of Technology
11631 Art Shell Plaza
University of Maryland Eastern Shore
Princess Anne, MD 21853-1299
Phone: 410 651 6472
Email: joarumala@umes.edu
UMES SUMMER TRANSPORTATION INSTITUTE (UMES STI)

Program Objectives
Students participating in the program will perform craft and research activities, field trips, and participate in seminars that will expose the students to careers, academic programs, and personnel in the transportation industry. Each student will:

- Explore safety, innovative trends, and career opportunities that exist in transportation systems;
- Become knowledgeable of the federal, state, and local governing agencies of the transportation modes;
- Develop understanding of importance of positive attitudes about learning math and science and the opportunities for advance studies;
- Exposure to college campus and opportunity to meet faculty members and college students that are involved in academic programs that lead to transportation careers;
- Development of computer, professional, and communication skills needed for successful study.

Interested?
Students interested in participating in the UMES STI should:

- Contact their school guidance counselor or science and mathematics teachers, or the Program Director (information listed below) for applications;
- Discuss the Institute with your parents or guardians making sure that they support your decision; and
- Submit application materials and supportive documents on or before the deadline of May 31, 2019 to:

Dr. Joseph O. Arumala, P.E., F. ASCE
Professor & Program Director
UMES Summer Transportation Institute
University of Maryland Eastern Shore
Department of Technology
11931 Art Shell Plaza
Princess Anne, Maryland 21853

Phone: (410) 651-6468
Email: joarumala@umes.edu
UMES SUMMER TRANSPORTATION INSTITUTE

(Please Print Clearly)

Name: ___________________________ DOB: ________________ Gender: ________________

Address: __________________________________________________________________________

County: __________________________________________________________________________

School attending Fall 2018: __________________________________________________________________________

Parents/Guardians: __________________________________________________________________________

Address: (if different) __________________________________________________________________________

Telephone: (Home): __________________________ (Work): __________________________

Standardized Test Score: _______________________ Grade Point Average: ________________

During the 2018-2019 School Year, I will be in the: (Check One)

6th Grade ______ 7th Grade ______ 8th Grade ______

List your math and science class (most recent)

Math: ___________________________ Science: ___________________________

Career Interest (Check One)

_________ Accounting _________ Architecture _________ Business

_________ Criminal Justice _________ Computer Science _________ Environment

_________ Law _________ Marketing _________ Scientific Research

_________ Engineering _________ Technology _________ Construction
The Federal Highway Administration (FHWA) requires every participant in the Program to indicate his or her ethnicity. Please check the appropriate box below.

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<thead>
<tr>
<th>ETHNICITY</th>
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<tbody>
<tr>
<td>American Indian or Alaska Native</td>
</tr>
<tr>
<td>Asian</td>
</tr>
<tr>
<td>Black or African American</td>
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<tr>
<td>Hispanic or Latino</td>
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<tr>
<td>Native Hawaiian or Other Pacific Islander</td>
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<tr>
<td>White</td>
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</tbody>
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Awards/Achievements/Organizations (Attach a list of awards, achievements, and organization memberships.) _____________________________________________________________

Required Essay: Describe your career objective(s), your interest in transportation, and how the Summer Transportation Institute can assist you in reaching your goals. Your essay must be typed, double-spaced and should not be more than one (1) page.

Additional Information:
Please enclose at least one letter of recommendation from your Science Teacher and your academic transcript. Application will not be processed with incomplete information.

NEED TRANSPORTATION FROM SALISBURY: YES ________  NO ___________ (check one)

____________________________________  ______________________________________
Signature & Date (Parent)  Signature & Date (Student)

Submit completed Application to:

Dr. Joseph O. Arumala, P.E., F. ASCE
Professor & Program Director
UMES Summer Transportation Institute
University of Maryland Eastern Shore
Department of Technology
11931 Art Shell Plaza
Princess Anne, MD 21853