

# Asphalt 101 - Training Year Summer 2022

## Asphalt Plant Technician Training Course (Level 1)

Thomas Bennert, Ph.D., Supervisor of the Rutgers Asphalt Pavement Laboratory, will be presenting the above course in Summer 2022 for HMA suppliers, testing laboratories, contractors, pavement consultants and other interested individuals. This course will prepare you to satisfy the educational requirements for New Jersey Society Asphalt Technologist (NJSAT) Level 1 Certification Program. The class will comprise of both classroom and laboratory activities. Participants should be prepared daily to conduct in aggregate/asphalt-related testing.

**WHERE:** Rutgers University Asphalt Pavement Laboratory, New Brunswick, NJ

**WHEN:** June 13<sup>th</sup> to June 17<sup>th</sup> (Friday is Final Exam)

**TIME:** 9:00am to 5:00pm

**FEE:** \$1,700.00 for the training course. Fee includes: course note book, NJSAT Level 1 certification fee and examination. A portion of the fee will be forwarded to the NJSAT to pay for certification and five years of NJSAT annual dues.

**Note:** Must have at least 1 year experience working in asphalt-related position. Experience form attached **MUST** be submitted with registration (provide attached for with registration).

**Inquiries:** Thomas Bennert at [bennert@soe.rutgers.edu](mailto:bennert@soe.rutgers.edu) or call at 609-213-3312

Name \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Street Address \_\_\_\_\_

City, State & Zip \_\_\_\_\_

Affiliation \_\_\_\_\_

Email Address \_\_\_\_\_

Checks should be made payable to: Thomas Bennert

Check and registration information should be mailed to:

Thomas Bennert  
1245 Steeplechase Ct.  
Toms River, NJ 08755

**ASPHALT PLANT TECHNICIAN TRAINING COURSE LEVEL 1  
COURSE SCHEDULE**

**June 13<sup>th</sup>, 2022**

**Asphalt Binders – Mixing and Compaction Temperatures - Classroom  
Aggregates – Desired Properties - Classroom  
Sampling of Stockpiles (AASHTO T2) and Reducing to Sample Size (AASHTO  
R76) – Classroom and Lab  
Gradation Analysis – AASHTO T11, T27, and T37 – Classroom and Lab  
Batch Plant and Drum Plant Operations - Classroom  
Aggregate Blending (Stockpiles and Hot Bins) - Classroom  
Prepare Aggregate Blend for Mixture Design - Classroom  
Batching for Mix Design Specimens – Lab**

**June 14<sup>th</sup>, 2022**

**Review of Volumetric Properties and Analysis - Classroom  
Preparation of Mix Specimens - Lab  
Densities – Bulk Gravity & Maximum Specific Gravity – Classroom and Lab  
Ignition Oven Testing for Binder Content and Composition – Classroom and Lab  
Conduct Class Mixture Design - Lab**

**June 15<sup>th</sup>, 2022**

**Complete Class Mixture Design - Lab  
Volumetrics and Stability & Flow – Classroom and Lab  
Complete Mix Design Work Sheets - Classroom  
Analysis of Data (“Does this make sense?”) - Classroom  
AASHTO Precision and Bias Statements – Classroom**

**June 16<sup>th</sup>, 2022**

**Review NJDOT HMA (Hot Mix Asphalt) Specifications  
Review Superpave Procedures and Requirements  
Introduction Into Performance Testing - Lab  
Course/Examination Review**

**June 17<sup>th</sup>, 2022**

**NJSAT Certification Examination (Level 1)**



## Attachment #4

# New Jersey Society of Asphalt Technologists Experience Application

Prior to taking either the HMA Construction Technologist or HMA Plant Technologist Level 1 courses, an applicant must have a minimum of one year experience in asphalt pavement construction or other related projects, i.e., testing laboratory, field inspection, etc.

**Please Indicate:**     HMA Construction Technologist         HMA Plant Technologist Level 1

Starting with your present position, please list your experience. You may attach a resume.

\*\*\* Please Print Clearly \*\*\*

Date of Work (From/To)	Project Name/Location	Work Conducted For (Agency/Private)	Name/Title of Supervisor
<b>Brief Description of Responsibilities</b>			

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<b>Brief Description of Responsibilities</b>			

Date of Work (From/To)	Project Name/Location	Work Conducted For (Agency/Private)	Name/Title of Supervisor
<b>Brief Description of Responsibilities</b>			

<b>Name</b>					
<b>Home Address</b>					
<b>City</b>		<b>State</b>		<b>Zip</b>	
<b>Email</b>		<b>Phone</b>			
<b>Business Affiliation</b>					