

Asphalt 101 - Training Year Winter 2021

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 Winter 2021 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.

Due to COVID-19, the training class will be held using a hybrid process of virtual classroom sessions and social distanced, low attendance, hands-on training sessions. The class will max out at 15 participants with no more than 5 participants in the building at the same time.

WHERE: Rutgers University Asphalt Pavement Laboratory
New Brunswick, NJ

WHEN: Virtual Classroom: January 19th, 20th, 22nd
In-person Training:
Group 1: Lab Work: January 25th; Exam: Feb 1st
Group 2: Lab Work: January 27th; Exam: Feb 3rd
Group 3: Lab Work: January 29th; Exam: Feb 5th

TIME: Morning Session: 9:00am to 12:00; Afternoon Session: 12:30 to 3:30

FEE: \$1,650.00 for the training course. Participants will receive all presentation materials (digital) via email. No breakfast or lunch will be provided.

Note: A portion of the fee will be forwarded to the NJSAT to pay for certification and five years of NJSAT annual dues. Must have at least 1 year experience working in asphalt-related position. Experience form attached **MUST** be submitted with registration.

Inquiries: Thomas Bennert at 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**

January 18, 2021 (Virtual Classroom – Zoom)

**Asphalt Binders – Mixing and Compaction Temperatures
Aggregates – Desired Properties
Sampling of Stockpiles (AASHTO T2) & Reducing to Sample Size (AASHTO R76)
Gradation Analysis – AASHTO T11, T27, and T37
Batch Plant & Drum Plant Aggregate Needs
Aggregate Blending (Stockpiles and Hot Bins)**

January 20, 2021 (Virtual Classroom – Zoom)

**Prepare Aggregate Blend for Mixture Design
Review of Volumetric Properties and Analysis
Densities – Bulk Gravity & Maximum Specific Gravity
Ignition Oven Testing for Binder Content (AASHTO T308) & Composition
(AASHTO T30)**

January 22, 2021 (Virtual Classroom – Zoom)

**Marshall Mix Design (AASHTO T245)
Marshall Stability & Flow (AASHTO T245)
How to Analyze of Mix Design Data (“Does this make sense?”)
AASHTO Precision and Bias Statements
Review NJDOT HMA (Hot Mix Asphalt) Specifications
Review Superpave Procedures & Differences to Marshall Design
Introduction Into Asphalt Mixture Performance Testing
Course/Examination Review**



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
Brief Description of Responsibilities			

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Brief Description of Responsibilities			

Name					
Home Address					
City		State		Zip	
Email		Phone			
Business Affiliation					