Asphalt 101 - Training Year Winter 2027

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 2027 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 both classroom and laboratory activities.

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

WHEN: **February 1, 2, 3, 4, 5 and 8th (Exam)**

TIME: **9:00am to 4:30pm**

FEE: **$1,700.00 for the training course. Fee includes: course notebook, 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*.**

Inquiries: Thomas Bennert at bennert@soe.rutgers.edu or call at 609-213-3312
*** Please contact prior to sending registration/payment to ensure availability**

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

February 1st, 2027

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, T30 and T37 – Classroom and Lab

February 2nd, 2027

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

February 3rd, 2027

Review of Volumetric Properties and Analysis – Classroom
Recycled Asphalt Pavement (RAP) - 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

February 4th, 2027

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

February 5th, 2027

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

February 8th, 2027

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
Brief Description of Responsibilities			

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

Name					
Home Address					
City		**State**		**Zip**	
Email		**Phone**			
Business Affiliation					