

# Asphalt Academy

Virginia Asphalt Association  
Thursday, December 12, 2019

Presenters:

Ben Sherman, Business and Career Coordinator



YOUR FUTURE. OUR COMMITMENT.

# Asphalt Academy Classes



## Field Operations/Field Level 1 – 1.5 CEU's | 15 hours training

**Tuition - \$500**

This course will cover the basics of asphalt paving in depth. Topics include introduction to conventional asphalt concrete placement, compaction, and joints. The course format will be a combination of classroom instruction and online instruction in Canvas. The Field Level I certification will be earned upon passing the VDOT MCS exam administered in Canvas.

## Field Technician/Field Level 2 – 1.9 CEU's | 19 hours training

**Tuition - \$500**

This course will cover asphalt paving inspection and acceptance in depth. Topics include specifications and VDOT's Quality Assurance program. The course format will be a combination of classroom instruction and online instruction in Canvas. The Field Level II certification will be earned upon passing the VDOT MCS exam administered in Canvas.

## Plant Operations/Plant Level 1 – 2.8 CEU's | 28 hours training

**Tuition - \$500**

This course will cover the basics of asphalt production in depth. Topics include introduction to components of asphalt, plant operations, and asphalt mixture sampling processes. The course format will be a combination of classroom instruction and online instruction in Canvas. The Plant Level I certification will be earned upon passing both the VDOT MCS exam administered in Canvas and the hands-on proficiency. *Separate registration and fee required for proficiency.*

## Plant Technician/Plant Level 2 – 2.8 CEU's | 28 hours training

**Tuition - \$500**

This course will cover asphalt mixture testing and acceptance in depth. Topics include specifications and VDOT's Quality Assurance program. The course format will be a combination of classroom instruction and online instruction in Canvas. The Plant Level II certification will be earned upon passing both the VDOT MCS exam administered in Canvas and the hands-on proficiency. *Separate registration and fee required for proficiency.*

## Mix Design Professional/Plant Mix Design – 4.8 CEU's | 48 hours training

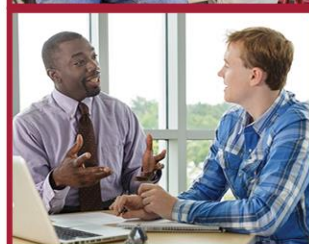
**Tuition - \$800**

This course will cover SuperPave and Stone Matrix Asphalt mix design, materials selection, test methods, and specifications in depth. The course format will be a combination of classroom instruction and online instruction in Canvas. The Mix Design certification will be earned upon passing both the VDOT MCS exam and the hands-on proficiency. *Separate registration and fee required for proficiency.*



# Credentials for Manufacturing and Trades

- Germanna students can earn credentials with VDOT, NCCER, OSHA, and NIMS through
  - Workforce noncredit classes
  - Academic classes
  - Apprenticeships
- Focus for Asphalt Academy



Technical Studies Curriculum		Credits
SDV 106 or approved SDV Course	College Success Skills	1
ENG 111	College Composition I	3
ENG 115	Technical Writing	3
Humanities	Any course from ART, ENG (Literature), HUM, MUS, PHI, REL, or Foreign Language	3
Social Sciences	Any course from ECO <sup>1</sup> , GEO, HIS, PLS, PSY <sup>2</sup> , or SOC	3
Math	Any math course 154 or higher	3
HLT or PED	HLT 106 <sup>4</sup>	2
<b>Total</b>		<b>18</b>
Technical Foundations		
ITE 115	Introduction to Computer Applications and Concepts	3
IND 101 or BLD 101	Quality Assurance Technology I or Construction Management	3
IND 137	Team Concepts and Problem Solving	3
ELE 131	National Electrical Code	3
ELE 133	Practical Electricity I	3
SAF 130	OSHA 10	1
SAF 127 or BLD 215	Industrial Safety or OSHA 30 Construction Safety	2
BLD 110	Introduction to Construction	3
CAD 135 or DRF 175	Electrical and Electronic Blueprint Reading or Schematics and Mechanical Diagrams	2
Work Learning		6
<b>Total</b>		<b>29</b>



	<b>Asphalt Technician Track</b>	
CIV 193	Studies in Asphalt Field	2
CIV 195	Studies in the Asphalt Plant Operations	2
IND 193	Studies in Slurry Surfacing & Surface Treatment	1
IND 195	Asphalt Mix Design	3
MEC 154 or ELE 156	Mechanical Maintenance or Electrical Control Systems	3
MEC 265 or MEC 161 or ELE 233	Fluid Mechanics or Basic Fluid Mechanics –Hydraulics/ Pneumatics or Programmable Logic Control Systems I	3
Total		15

Academic Program Area: Asphalt Technician

Course Title	Credit Course	Credit Hours	Cert Name	Program Approval	Pre-req.
Introduction to Construction	BLD 110	3	NCCER Core		
OSHA 10	SAF 130	1	OSHA		
Practical Electricity 1	ELE 133	3	NCCER Levels 1, 2, 3, 4		
Electrical and Electronic Blueprint Reading	CAD 135	2	NCCER Levels 1, 2 Electrical		
<b>Total No. of Credits for General Technician CSC</b>		<b>7</b>			
Studies in the Asphalt Field	CIV 193	2	V.D.O.T. Asphalt Field Level I and II		
Studies in Asphalt Plant Operations	CIV 195	2	V.D.O.T. Asphalt Plant Level I and II		
Studies in Slurry Surfacing and Surface Treatment	IND 193	1	V.D.O.T. Slurry Surfacing and Surface Treatment		
Topics in Asphalt Mix Design	IND 195	3	V.D.O.T. Asphalt Mix Design		
Industrial Safety	SAF 127	2	OSHA		
Mechanical Maintenance <sup>1</sup> or Electrical Control Systems <sup>1</sup>	MEC 154 or ELE 156	3	NIMS Area 2 Basic Mechanical Systems or NIMS Area 6 Electrical Systems/ NCCER Levels 1, 2, 3, 4 Electrical		
Basic Fluid Mechanics / Hydraulics Pneumatics <sup>2</sup> or Fluid Mechanics <sup>2</sup> or Programmable Logic Controller Systems <sup>2</sup>	MEC 161 or MEC 265 or ELE 233	3	NIMS Area 3 Basic Hydraulics or NIMS Area 3 Basic Hydraulics or NIMS Electronic Control Systems		
<b>Total No. credits for Asphalt Technician CSC</b>		<b>16</b>			
National Electrical Code	ELE 131	3	NCCER Levels 1,2 Electrical		
Work Based Learning		6	Verified by Employer		
<b>Total No. of credits for AAS Only</b>		<b>9</b>			
<b>Total No. of Transfer Credits That Apply to Asphalt Technician AAS</b>		<b>34</b>			

Notes:

- 3 Credits will be given for MEC 154 or ELE 156. No more than 3 credits will be awarded in this category.
- 3 Credits will be given for MEC 265 or MEC 161 or ELE 233. No more than 3 credits will be awarded in this category.

This Crosswalk is an unofficial document representing possible credits towards this degree based on academic course mappings. To receive credit students must work with the Credit for Prior Learning Specialist to fill out all official requests and forms.



# Questions?

For further information, please email

- Ben Sherman, [bsherman@germanna.edu](mailto:bsherman@germanna.edu)

