

# ATLB-1808: SPECIAL TOPICS IN ASPHALT AND TRAFFIC CONTROL

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## Cuyahoga Community College

**Viewing: ATLB-1808 : Special Topics in Asphalt and Traffic Control**

**Academic Term:**

Fall 2026

**Subject Code**

ATLB - AIT-Construct/Hazard Material

**Course Number:**

1808

**Title:**

Special Topics in Asphalt and Traffic Control

**Catalog Description:**

Flagman training, selection and stationing of signs and channelizing devices. Asphalt placement and raking, care of craft tools.

**Credit Hour(s):**

2

**Lecture Hour(s):**

2

## Requisites

**Prerequisite and Corequisite**

Departmental approval: admission to an approved apprenticeship program.

## Outcomes

**Objective(s):**

1. Assemble signs and channelization devices for traffic control plan.
2. Follow diagram and stationing signs.
3. Perform urban, standard, and expressway stationing of signs.
4. Utilize proper safety guidelines, devices.
5. Demonstrate traffic signals and correct procedure for use of paddles.
6. Lay out work to be performed.
7. Maintain and store tools and materials.
8. Select signs for assigned traffic control conditions.
9. Compute asphalt necessary for a given area.
10. Spread asphalt maintaining proper depth and texture.
11. Determine asphalt temperatures.

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**Methods of Evaluation:**

1. Exam
2. Quizzes
3. Oral Presentation
4. Project Assignments
5. Written Case

**Course Content Outline:**

1. Flagman qualifications.
2. Safety considerations.
3. Appropriate tools, signs, positioning, and safety lights.
4. Properly release traffic.
5. Identification and positioning of advance warning signs.
6. Flagging.
7. Selection and positioning proper signs, barricades.
8. Tool maintenance.
9. Identify, select, use and maintain tools for designated operations.
10. Prepare asphalt material.
11. Dump asphalt.
12. Place and rake asphalt.
13. Spread asphalt.
14. Determine and maintain depth and texture as applied.
15. Check compaction of asphalt.
16. Construct joints and identify functions.
17. Set and remove paver screens.

**Religious Accommodation**

Before reviewing the course schedule, students should carefully review the following religious accommodation policy and other required instructional policies:

**Religious Accommodation:**

Students seeking an accommodation for absences permitted under Ohio's Testing Your Faith Act must provide the instructor with written notice of the specific dates for which the student requires an accommodation and must do so not later than fourteen (14) days after the first day of instruction. Please submit requests for accommodations at this link: <https://portal2.tri-c.edu/ReligiousAccommodation/ReligiousAccommodationForm>. Students with questions about their religious accommodations under Ohio's Testing Your Faith Act may contact the College's Office of General Counsel and Legal Services by phone at 216.987.4856 or via email at [legal@tri-c.edu](mailto:legal@tri-c.edu).

**Other Required Instructional Policies:**

<https://www.tri-c.edu/student-resources/curriculum/documents/syllabus-part-b.pdf>

**Weekly Schedule**

	Topics
Week 1	Qualifications of a flagman. Safety guidelines, equipment and personal protection equipment.
Week 2	Introduce tools, signs, safety lights.
Week 3	Explain flagman position. Traffic control.
Week 4	Stop, release. Display control devices.
Week 5	Purpose and types of warning signs. Flagging film. Positioning of signs.
Week 6	Following drawings of site. Discuss proper signs, barricades and delineators. Set up and remove.
Week 7	Review safety precautions when working near traffic. Safety film,
Week 8	Review terminology relating to asphalt. Importance of teamwork.
Week 9	Identify tools. Calculate material needed.
Week 10	Demonstrate purpose of tools including cleaning.
Week 11	Demonstrate dumping, placing, spreading, and raking asphalt. Working in groups of two, practice spreading asphalt.
Week 12	Continue practice working with material.
Week 13	Turn screws on paver. Maintain proper depth and texture. Construct joints.
Week 14	Practice and review.
Week 15	Continued practice and review.
Week 16	Finals Week

The Course Schedule is subject to change due to pedagogical needs, instructor discretion, parts of term, and unexpected events.

**Required/Recommended Readings**

Traffic Control and Asphalt. Ohio Laborers' Training and Upgrading Trust Fund, Drexel J. Thrash Training Center.  
Roadway Safety, Awareness Training. Ohio Laborers Health & Safety Fund of North America, Washington, DC, 2002.

**Resources for the Instructor**

Traffic Control and Asphalt. Ohio Laborers' Training and Upgrading Trust Fund, Drexel J. Thrash Training Center. . *Roadway Safety, Awareness Training*. Ohio Laborers Health & Safety Fund of North America, Washington, DC, 2002.

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