



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW: 2008-2009

(i.e. 2003-2004)

NEXT REVIEW: 2013-2014

(i.e. 2008-2009)

STATUS: A

(A, I, D)

COURSE TITLE: Engine Fire Protection Systems

COMMON COURSE NUMBER: AMT 0410

CREDIT HOURS: 1

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS: 15.75

(Voc. Course ONLY)

Lecture: 5.75

Lab: 10

Clinic:

Other:

PREREQUISITE(S): None

COREQUISITE(S): None

PRE/COREQUISITE(S): None

COURSE DESCRIPTION *(750 characters, maximum):* To provide the student with the knowledge and skills needed in the operation, inspection, checking, troubleshooting, and repair of engine fire detecting and extinguishing systems. Student fee charged.

General Education Requirements – Associate of Arts Degree (AA), meets Area(s): Area

General Education Requirements – Associate in Science Degree (AS), meets Area(s): Area

General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s): Area

UNIT TITLES

1. Engine Fire Detection and Extinguishing Systems



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ASSESSMENT:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.

1. **Quizzes, Test, and/or Final Exam (cumulative/comprehensive);**
2. **Selected faculty may assess homework, projects, class participation/attendance, and/or extra credit projects.**
Upon successful completion of this course, the students should be able to operate, inspect, check, troubleshoot and repair engine fire detecting and extinguishing systems.

Common Course Number: AMT 0410

UNITS

Unit 1 Engine Fire Detection and Extinguishing Systems

General Outcome:

- 1.0 **The student shall:** The students should be able to inspect, check, service, troubleshoot and repair engine fire detection and extinguishing systems.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1 Check continuity and resistance of the electrical circuit.
- 1.2 Determine the causes of system malfunction.
- 1.3 Describe the methods used to release the extinguishing agent.
- 1.4 Describe the sensing devices used in the detection systems.