



Associate in Applied Science (A.A.S.) in Automotive Technology

PROGRAM OVERVIEW

The Automotive Technology Program (ATP) prepares students for entry level jobs as automobile repair technicians. The program was developed in response to the Bureau of Labor Statistics’ projections of the need for automobile service technicians in Washington, DC and the surrounding area. ATP combines shop, classroom, and internship instruction and requires student to complete 69 semester credits, of which 25 credits are general education and required courses, and 44 credits are automotive courses.

Students pursuing an AAS in Automotive Technology will select one of two concentrations – Automotive or Transit Bus. Students have the option of substituting three automotive courses with three diesel mechanics courses which would prepare them to specialize in transit bus repair. Full-time students can complete the ATP program in two years and will be prepared as entry-level, automotive repair technicians or entry level transit bus repair technicians. Also, they will be eligible to take the Automotive Service Excellence (A.S.E.) examination after one year’s experience. A.S.E. examinations certify automotive technicians in eight specific areas. The UDC-CC program prepares students for certification in six of these areas: brakes, electrical/electronics, engine performance, engine repair, heating and air conditioning, and steering and suspension.

ACADEMIC PREPAREDNESS

UDC recognizes the important connection between student success and academic preparedness. Depending on placement test scores and/or equivalent college course work, students may be required to complete co-requisite courses in English. ***Only credits earned for the college-level portion of the co-requisite course pairing count towards degree completion requirements.***

Co-Requisite Courses for English

Course #	Title	Credits	Grade	Semester
ENGL-015	English Fundamentals <i>and</i>	3		
ENGL-101C	English Composition I	3		

SEQUENCE OF STUDY

The required courses for the degree program are listed in suggested sequence on the reverse side of this document. Students are expected to complete prerequisite and co-requisite courses as indicated.

- A Prerequisite is a requirement which must be completed prior to enrollment in a particular class. This can be a placement test score or a course. For example, ENGL-111: English Composition I must be taken prior to ENGL-112: English Composition II.
- A Co-requisite is a course that must be taken in the same semester. For example, APCT 104C: Introduction to Applications of Computers Lecture must be taken along with APCT 105C: Introduction to Applications of Computers Lab.

GUIDE TO SUBJECTS – When registering for courses, use the key below to search for courses by subject.

APCT	Applied Computing	FSEM	First Year Seminar	POLI	Political Science
ANTH	Anthropology	MATH	Mathematics	PSYC	Psychology
AUTC	Automotive Technology	OADM	Office Administration	SOCY	Sociology
ENGL	English	PHIL	Philosophy	SPCH	Speech

Associate in Applied Science (A.A.S.) in Automotive Technology *(Below are the required courses for the degree arranged in suggested sequence.)*

FIRST SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
FSEM-101C	First Year Seminar	1			
AUTC-101C	Introduction to Automotive Technology	4			
AUTC-103C	Automotive Brakes	3			
APCT-104C	Intro to Applications of Computers (Lecture)	2			
APCT-105C	Intro to Applications of Computers (Lab)	1			
PHIL-105C	Introduction to Logic OR	3			
PHIL-108C	Introduction to Social Ethics	3			
SPCH-115C	Public Speaking	3			
Total Credit Hours:		17			

SECOND SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
ENGL-111C	English Composition I	3			ENGL-015C or required score on placement test
AUTC-140C	Automotive Electrical Fundamentals	4			
AUTC-115C	Ignition and Fuel Systems OR	3			
AUTC-116C	Transit Bus Fuel Systems	4			
AUTC-111C	Heating/Air Conditioning	3			
OADM-104C	Introduction to Business	3			
Total Credit Hours:		16-17			

THIRD SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
ENGL-112C	English Composition II	3			ENGL-111C
MATH-111C	Technical Mathematics I	3			MATH-105C or required score on placement test
AUTC-225C	Advanced Engine Performance OR	5			
AUTC-226C	Transit Bus Electronics	4			
AUTC-230C	Auto. Steering & Suspension Systems	3			
	Behavioral/Social Science Elective*	3			<i>*Choose one: PSYC-201C PSYC-137C POLI-205C ANTH-113C SOCY-111C</i>
Total Credit Hours:		16-17			

FOURTH SEMESTER

Course #	Course Title	Credits	Semester	Grade	Prerequisites
AUTC-256C	Manual/Auto Trans. and Drive Systems	6			
AUTC-241C	Advanced Auto Electronics	3			
AUTC-255C	Auto. Engine Diagnosis and Repair OR	4			
AUTC-257C	Transit Bus Engine Mechanics	4			
AUTC-299C	Emerging Auto Power Systems	3			
Total Credit Hours:		16			

ADDITIONAL

AUTC-290C	Summer Internship (required)	3			
AUTC-299C	Winter Internship (optional)	3			

October 27, 2015

Total Credit Hours for A.A.S. Degree in Automotive Technology: 68-73