



## School of Engineering and Industrial Technology

### Occupation/Field: Automotive Technology



#### National Career Cluster: Transportation, Distribution, & Logistics

##### Required Courses for Core 40 Diploma

##### Recommended Courses and Electives

GRADE	SUBJECT	Required Courses for Core 40 Diploma					Recommended Courses and Electives		
		English/ Language Arts	Math	Social Studies	Science	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I	College and Careers	Biology I	PE	Health	PLTW Introduction to Engineering Design	
	S2	English 9	Algebra I	Study Hall	Biology I	PE	Health	PLTW Introduction to Engineering Design	
10	S1	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Principles of Engineering		
	S2	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Principles of Engineering		
11	S1	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science	Porter County Career Center Course			
	S2	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science				
12	S1	Senior Comp AP English 12	Recommended: Additional Math course	Government	World Language	Porter County Career Center Course			
	S2	Senior Comp AP English 12	Recommended: Additional Math course	Economics	World Language				

#### Associate of Science in Automotive Technology from Ivy Tech Community College, East Chicago, IN

POSTSECONDARY	Yr	S	Associate of Science in Automotive Technology from Ivy Tech Community College, East Chicago, IN			
			Course	Course	Course	
13	S1	Introduction to Automotive (AUTC 100)	Electrical and Electronics I (AUTC 113)	Electrical and Electronics II (AUTC 123)	Fundamentals of Public Speaking (COMM 101)	Student Success Elective
	S2	Engine Performance (AUTC 109)	Braking Systems (AUTC 122)	English Composition (ENGL 111)	Automotive Technology Elective	Automotive Technology Elective
14	S1	Steering and Suspension System (AUTC 101)	Engine Performance II (AUTC 209)	Humanities/Social Science & Behavioral Sciences Elective		
	S2	Engine Fundamentals (AUTC 107)	Engine Performance III (AUTC 219)	Mathematics Elective	Automotive Technology Elective	
15	S1	Automotive Capstone (AUTC 279)	Automotive Technology Elective	Automotive Technology Elective	Automotive Technology Elective	Physical Science
	S2	Climate Control Systems I (AUTC 201)	Automotive Technology Elective			

Courses in Red can be taken as Dual Credit in High School

