



# HYDRAULICS/FLUIDS/DIESEL PROGRAM

## CTE COURSE SEQUENCE

### FOUNDATIONAL (9TH & 10TH)

- Intro to Career Pathways
- Technology Applications 1
- Industrial Safety and First Aid
- Introduction to Auto
- Automotive Service Technician 1
- Small Engines 1 & 2

### TECHNICAL (11TH & 12TH)

- OPET 1
- Hydraulics/Pneumatics/Diesel Power - S

ACADEMIC ELECTIVE CREDITS: S = SCIENCE M = MATH LA = LANGUAGE ARTS SS = SOCIAL STUDIES

### ACADEMIC RIGOR

- Chemistry
- Physics
- Precalculus with Trigonometry

### STUDENT ORGANIZATION (CTSO)

- Skills USA

### CERTIFICATION

- OSHA 10

### EARLY COLLEGE CREDIT OPTIONS

COLLEGE CREDITS

#### DUAL ENROLLMENT

- Technology Applications 1, 2, 3 3 cr

#### AP (WITH PASSING SCORE ON AP EXAM)

- AP Biology
- AP Chemistry
- AP Physics

# MAPPING YOUR 4-YEAR PLAN\*

9TH GRADE		CREDITS	10TH GRADE		CREDITS
<input type="checkbox"/>	Introduction to Career Pathways	.5 cr	<input type="checkbox"/>	Intro to Auto OR Small Engines 1	.5 cr
<input type="checkbox"/>	Technology Applications 1	.5 cr	<input type="checkbox"/>	Automotive Service Technician	.5 cr
<input type="checkbox"/>	Algebra 1	1 cr	<input type="checkbox"/>	Small Engines 2	.5 cr
<input type="checkbox"/>	English 1	1 cr	<input type="checkbox"/>	Industrial Safety and First Aid	.5 cr
<input type="checkbox"/>	Biology	1 cr	<input type="checkbox"/>	Geometry	1 cr
<input type="checkbox"/>	Civics	.5 cr	<input type="checkbox"/>	English 2	1 cr
<input type="checkbox"/>	Health	.5 cr	<input type="checkbox"/>	Physical Science	1 cr
<input type="checkbox"/>	PE	1 cr	<input type="checkbox"/>	World History	1 cr
11TH GRADE		CREDITS	12TH GRADE		CREDITS
<input type="checkbox"/>	OPET	1 cr	<input type="checkbox"/>	Hydraulics/Pneumatics/Diesel Power - <b>S</b>	1 cr
<input type="checkbox"/>	Elective	1 cr	<input type="checkbox"/>	Cooperative Work Experience	1 cr
<input type="checkbox"/>	Algebra 2	1 cr	<input type="checkbox"/>	Advanced Math	1 cr
<input type="checkbox"/>	English	1 cr	<input type="checkbox"/>	English	1 cr
<input type="checkbox"/>	Science	1 cr	<input type="checkbox"/>	Science	1 cr
<input type="checkbox"/>	U.S. History	1 cr	<input type="checkbox"/>	U.S. Government	.5 cr
			<input type="checkbox"/>	AK History	.5 cr

\*These are suggested courses to best prepare students for post-secondary transitions and credentialing. Actual courses may depend on school schedule availability and enrollment capacity. Some classes may be available at other locations through District-wide or course share options. Graduation requirements for number of credits and required courses are set at a district level and are subject to change. Talk to your counselor about your graduation requirements and to schedule your courses.

## STACKABLE CREDENTIALS & DEGREES\*

HIGH SCHOOL		COLLEGE	
<input type="checkbox"/>	Dual Enrollment	<input type="checkbox"/>	Undergraduate Certificate in Instrumentation Technology
<input type="checkbox"/>	Academic AP	<input type="checkbox"/>	Undergraduate Certificate in Diesel Power Technology
INDUSTRY CERTIFICATION		<input type="checkbox"/>	Associate of Applied Science in Industrial Process Instrumentation
<input type="checkbox"/>	OSHA 10	<input type="checkbox"/>	Associate of Applied Science in Diesel Power Technology
<input type="checkbox"/>	TWIC (Transportation Worker Identification Credential)		
<input type="checkbox"/>	Certified Automation Professional		
<input type="checkbox"/>	Certified Control Systems Technician		
<input type="checkbox"/>	Private Pilot		
APPRENTICESHIP	MILITARY		
<input type="checkbox"/>	Trade Unions	<input type="checkbox"/>	U.S. Armed Forces
<input type="checkbox"/>	Private Entity		

\*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.