

**Program of Study Sequence**

Community College: Kishwaukee College

High School: Rochelle Township High School

Program of Study: Diesel Engine Mechanic & Repair DPT AAS #426

CIP Code 47.0605

Cluster: Transportation, Distribution & Logistics

Facility & Mobile Equipment  
Pathway Maintenance

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Introduction to Agricultural Industry	English I	Algebra I	Biology	World Geography	Foreign Language Business Ed	
	10	Advanced Agricultural Sciences Or Agribusiness Management	Rhet & Comp., Speech	Geometry	Natural Science	World History		
	11	<a href="#">KEC Dual Credit Diesel 1</a>	2 Literature Courses	Algebra II	Chemistry	American History I & II	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	<a href="#">KEC Dual Credit Diesel 2</a>	Expos/ENG 103 (DC)					
POSTSECONDARY	13 (Fall)	DPT 101 DPT Careers (1) DPT 172 Bsc. Engine Overhaul (4) DPT 173 Mobile Sytms Electronics I (3) DPT 175 Intro to Tool Safety & Usage (2) DPT 176 Bsc. Trans (3) DPT 178 Bsc. Hydraulics (4)	ENG 109	TMAT 100	3 Credit Hours Required	3 Credit Hours Required	Skills USA (Optional) OS 108 Intro to Software Applications SPE 100 Oral Communication I DPT Open Elective (1)	Internship I+II
	13 (Spring)	DPT 106 DPT Internship Prep (1) DPT 177 Intro to Diesels (3) DPT 197 DPT Internship I (4)						
	14 (Fall)	DPT 154 Truck Brakes & Suspension (4) DPT 279 Advanced Diesels (3)						
	14 (Spring)	DPT 272 Adv. Engine Overhaul (4) DPT 273 Mobile Syst. Electronics II (3) DPT 274 Vehicle Air Conditioning (3) DPT 293 DPT Internship II (6) WT116 Fundamental Welding (2)						
	15 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Career Opportunities: Transition from Internship	Degrees and Certificates Available: AAS Degree in Diesel Power Technology M.A.C.S. Certified
	15 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Fall)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		
	16 (Spring)	Continued Classes in Chosen Program of Study	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree	Classes and Electives Required for bachelors degree		

[Kishwaukee Educational Consortium Dual Credit Classes](#)

## Diesel Power Technology Basic Certificate

### Program of Study Sequence

Community College: Kishwaukee College High School: Rochelle Township High School

Program of Study: Diesel Engine Mechanic & Repair Cert #428 CIP Code 47.0605

Cluster: Transportation, Distribution & Logistics Pathway Facility & Mobile Equipment Maintenance

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities	
SECONDARY	9	Introduction to Agricultural Industry	English I	Algebra I	Biology	World Geography	Foreign Language Business Ed		
	10	Advanced Agricultural Sciences Or Agribusiness Management	Rhet & Comp; Speech	Geometry	Natural Science	World History			
	11	<a href="#">KEC Dual Credit Diesel 1</a>	2 Literature Courses	Algebra II		American History I & II	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)		
	12	<a href="#">KEC Dual Credit Diesel 2</a>	Expos/ENG 103 (DC)						
POSTSECONDARY	13 (Fall)	DPT 172 Basic Engine Overhaul (4) DPT 173 Mobile Systems Electronics I (3) DPT 175 Intro to Tool Safety & Usage (2) DPT 176 Basic Transmissions (3) DPT 178 Basic Hydraulics (4)					Skills USA (Optional)		
	13 (Spring)	DPT 177 Introduction to Diesels (3) DPT 272 Advanced Engine Overhaul (4) DPT 273 Mobile Systems ElectronicsII (3) DPT 274 Vehicle Air Conditioning (3) WT116 Fundamental Welding (2)							
	14 (Fall)	DPT 154 Truck Brakes & Suspension (4) DPT 279 Advanced Diesels (3)							
	14 (Spring)								
	15 (Fall)						Career Opportunities:  Diesel Mechanic Fleet Maintenance		Degrees and Certificates Available:  Diesel Power Technology Basic Certificate  M.A.C.S. Certified
	15 (Spring)								
	16 (Fall)								
	16 (Spring)								

[Kishwaukee Educational Consortium Dual Credit Classes](#)

## Diesel Power Technology Advanced Certificate

### Program of Study Sequence

Community College: Kishwaukee College High School: Rochelle Township High School

Program of Study: Diesel Engine Mechanic & Repair Cert #429 CIP Code 47.0605

Cluster: Transportation, Distribution & Logistics Pathway Maintenance  
 Facility & Mobile Equipment

Educational Level	Grade	CTE/Degree Major Courses	English	Mathematics	Science	Social Science	Other required Courses/Recommended Electives	Work-Based Learning Opportunities
SECONDARY	9	Introduction to Agricultural Industry	English I	Algebra I	Biology	World Geography	Foreign Language Business Ed	
	10	Advanced Agricultural Sciences Or Agribusiness Management	Rhet & Comp; Speech	Geometry	Natural Science	World History		
	11	<a href="#">KEC Dual Credit Diesel 1</a>	2 Literature Courses	Algebra II	Chemistry	American History I & II	Foreign Language Business Ed Consumer Ed Related Electives. Skills USA (KEC)	
	12	<a href="#">KEC Dual Credit Diesel 2</a>	Expos/ENG 103 (DC)					
POSTSECONDARY	13 (Fall)	DPT 101 DPT Careers (1) DPT 172 Basic Engine Overhaul (4) DPT 173 Mobile Systems Electronics I (3) DPT 175 Intro to Tool Safety & Usage (2) DPT 176 Basic Transmissions (3) DPT 178 Basic Hydraulics (4)					Skills USA (Optional)	Internship I+II
	13 (Spring)	DPT 106 DPT Internship Prep (1) DPT 177 Introduction to Diesels (3) DPT 197 DPT Internship I (4) DPT Open Elective						
	14 (Fall)	DPT 154 Truck Brakes & Suspension (4) DPT 279 Advanced Diesels (3)						
	14 (Spring)	DPT 272 Advanced Engine Overhaul (4) DPT 273 Mobile Systems ElectronicsII (3) DPT 274 Vehicle Air Conditioning (3) DPT 293 DPT Internship II (6) WT116 Fundamental Welding (2)						
	15 (Fall)						Career Opportunities: Transition from Internship	
	15 (Spring)							
	16 (Fall)							
							Degrees and Certificates Available: Diesel Power Technology Advanced Certificate M.A.C.S. Certified	

	16 (Spring)							
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Kishwaukee Educational Consortium Dual Credit Classes