

**Program of Study Sequence**

Community College: Kishwaukee College

High School: Sycamore High School

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

CIP Code: 47.0605

Facility & Mobile Equipment

Cluster: Transportation, Distribution & Logistics

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	Hands on Skills	English I	Algebra I	Physical Science	World Cultures (Opt)	Foreign Language	
	10	Agricultural Mechanics or Agricultural Business	English II & Speech	Geometry	Biology or BSAA	World Cultures (Opt)		
	11	<a href="#">KEC Dual Credit Diesel 1</a>	English III	Algebra II	Courses Required for Graduation	American History	Foreign Language Skills USA (KEC)	
	12	<a href="#">KEC Dual Credit Diesel 2</a>	English IV	Trigonometry	Chemistry of Physics	Government Consumer Ed.		
POSTSECONDARY	13 (Fall)	DPT 101 DPT Careers (1) DPT 172 Bsc. Engine Overhaul (4) DPT 173 Mobile Sytms Elect I (3) DPT 175 Intro to Tool Safety & Usage (2) DPT 176 Bsc. Trans (3) DPT 178 Bsc. Hyd4	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 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 Sytms. Elect II (3) DPT 274 Vehicle Air Condi (3) DPT 293 DPT Internship II (6) WT116 Fund. 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: Sycamore High School

Program of Study: Diesel Engine Mechanic & Repair Cert #428 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	Hands on Skills	English I	Algebra I	Physical Science	World Cultures (Opt)	Foreign Language		
	10	Agricultural Mechanics Or Agricultural Business	English II & Speech	Geometry	Biology or BSAA	World Cultures (Opt)			
	11	KEC Dual Credit Diesel 1	English III	Algebra II	Courses Required for Graduation	American History	Foreign Language Skills USA (KEC)		
	12	KEC Dual Credit Diesel 2	English IV			Government Consumer Ed.			
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: Sycamore 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	Hands on Skills	English I	Algebra I	Physical Science	World Cultures (Opt)	Foreign Language	
	10	Agricultural Mechanics Or Agricultural Business	English II & Speech	Geometry	Biology or BSAA	World Cultures (Opt)		
	11	KEC Dual Credit Diesel 1	English III	Algebra II	Courses Required for Graduation	American History	Foreign Language Skills USA (KEC)	
	12	KEC Dual Credit Diesel 2	English IV	Trigonometry	Chemistry of Physics	Government Consumer Ed.		
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)	Internship I-II
	13 (Spring)	DPT 177 Introduction to Diesels (3) DPT 272 Advanced Engine Overhaul (4) DPT 273 Mobile Systems Electronics II (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: Transition from Internship	Degrees and Certificates Available: Diesel Power Technology Advanced Certificate M.A.C.S. Certified
	15 (Spring)							
	16 (Fall)							
16 (Spring)								

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