

STEP 2D: Program Sequence matrix (Include High School, Associate’s Degree, and Bachelor’s Degree)

Identify the pathway options. Complete the program matrix for the 9-12 program plus, for Tech Prep programs include the matrix for the two- or four-year college program of study. Indicate which courses receive CTE credit by placing the number of credits in parentheses after each CTE course title. Place an asterisk (*) next to the course identified as the concentrator course.

The program matrix defines a planned, sequential program of study that consists of a minimum of four credits in CTE including work-based learning. Work-based learning experiences must be included in the program to obtain approval. The program matrix includes the recommended academic and CTE courses identified for the pathway and postsecondary linkages (i.e., dual enrollment, Tech Prep and articulated credit).

CTE programs typically begin after ninth grade and do not include career exploration courses. Courses such as computer applications and keyboarding are not included in the completer sequence because they are required of all students. Academic courses are counted only if they are tailored to serve mainly CTE students and have been revised to reflect industry skill standards. Technology Education or Advanced Technology Education courses are not acceptable for credit in career and technology education.

The LSS program title should be the same one that appears on the cover page. If more than one pathway option is offered in the program, complete a matrix for each program option (MSDE will insert the CIP number). Example: An Academy of Information Technology program may include options in web design & programming.

Pathway/Program:	Transportation Equipment / Automotive Technician		CIP Number (For MSDE Use)	47.0645
Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
English - 4	English 9	English 10	English 11	English 12
Social Studies - 3	US Government	World History	US History	
Mathematics - 3	Algebra 1	Geometry	Algebra 2	
Science - 3	Physical Science	Biology	Chemistry	
Physical Education -.5 Health Education - .5	.5 PE	.5 Health		
Fine Arts - 1	.5 Fine Arts	.5 Fine Arts		
Technology Education - 1				
CTE Completer Program – 5			Foundation of Automotive Technology 1 (3 credits)	Foundation of Automotive Technology 2 (3 credits)
Foreign Language - 2 and/or Advanced Tech Ed – 2	Spanish 1	Spanish 2		
Suggested Electives:				Trigonometry or Pre-Calculus

* *Concentrator course*

** Workbased Learning (WBL) is an integral component of the program. WBL should be incorporated into the program dependent upon LSS delivery system (i.e., integrated or capstone WBL experience).

Provide a list of examples of careers students are preparing to enter and postsecondary options:

Automobile Service Tech, Automobile Master Mechanic, Automobile Speciality Tech, Electronic Equipment Installer & Repairer - motor vehicle