

Unit/Standard Number	High School Graduation Years 2022, 2023 and 2024		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Carpentry/Carpenter CIP 46.0201 Task Grid		
	Secondary Competency Task List		
100	SAFETY/OCCUPATIONAL ORIENTATION		
101	Follow basic, lab and construction industry safety practices and procedures.		
102	RESERVED		
103	RESERVED		
104	Follow procedures in Safety Data Sheets (SDS) system.		
105	Identify and follow all OSHA safety standards at the construction site.		
106	RESERVED		
107	RESERVED		
160	Complete 10-hour OSHA training		
200	HAND TOOLS		
201	Use and maintain small hand tools.		
202	Use and maintain sawing tools.		
203	Use and maintain fastening tools.		
204	Use and maintain measuring tools.		
205	Use and maintain cutting tools.		
206	RESERVED		
207	Use and maintain ladders.		
208	Use and maintain finishing tools.		
209	RESERVED		
210	Construct scaffolding.		
300	POWER TOOLS		
301	Use and maintain stationary electric power tools.		
302	Use and maintain pneumatic tool systems.		
303	Use and maintain portable electric power tools.		
304	RESERVED		
305	RESERVED		
400	BLUEPRINTS READING		
401	Interpret blueprints.		
402	Interpret and comprehend standard symbols and abbreviations.		
403	Interpret building specifications.		
404	Interpret a plot plan.		
405	Interpret a foundation plan.		
406	Interpret elevation plans.		
407	Interpret details and section views.		
408	Interpret floor, wall and roof framing plans.		
409	Interpret building and zoning codes.		
410	Interpret Americans with Disabilities Act (ADA) regulations.		
460	Interpret scales on architectural scale rule		

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461	Make basic orthographic drawings		
500	SITE PREPARATION AND LAYOUT		
501	Determine factors needed to be considered before the start of a building project.		
502	Acquire a building permit.		
503	Use PA One Call System		
504	Establish elevations and grades from benchmarks using leveling instruments.		
505	Stake out a building foundation using the Pythagorean theorem.		
506	Layout and construct batter boards.		
600	FOOTINGS AND FOUNDATIONS		
601	Identify footer and foundation materials.		
602	Use of leveling instruments.		
603	Establish footer lines and elevations.		
604	RESERVED		
605	Layout and construct forms for footers.		
606	Layout foundations.		
607	Layout and construct forms for concrete slabs.		
608	Install reinforcing materials.		
609	Construct vertical and horizontal framework.		
660	Identify footing and foundation materials		
700	FRAMING - FLOOR CONSTRUCTION		
701	RESERVED		
702	RESERVED		
703	Layout and install sill plates.		
704	Layout and install floor joists, including manufactured floor joists.		
705	Layout and install joists for a cantilever floor.		
706	Construct and install cross and solid bridging.		
707	Layout and install sub-flooring.		
708	Layout and construct floor openings.		
760	Install termite shields ,apply sill sealer, install pressure treated sill plates		
800	FRAMING - WALL CONSTRUCTION		
801	RESERVED		
802	Layout and construct a wall.		
803	RESERVED		
804	Layout and construct door openings.		
805	Layout and construct window openings.		
806	Construct a load bearing header.		
807	Layout and install sheathing.		
808	Plumb, align and brace walls.		
809	Layout and install metal studs.		

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900	FRAMING - ROOF CONSTRUCTION		
901	RESERVED		
902	RESERVED		
903	Layout and install a ridgeboard.		
904	Layout and install common rafters.		
905	RESERVED		
906	Layout and install roof trusses.		
907	Layout and install roof sheathing.		
908	Layout and construct roof openings.		
909	RESERVED		
910	RESERVED		
911	Layout and install roofing materials.		
912	Layout and install capping.		
1000	EXTERIOR FINISH		
1001	RESERVED		
1002	RESERVED		
1003	Install house wrap.		
1004	Install exterior doors.		
1005	Install windows.		
1006	Layout and install siding.		
1007	Layout and install soffits and fascias.		
1008	Layout and install gutters and downspouts.		
1009	Layout and install exterior deck, stair, and railing systems.		
1060	Layout and install roofing paper.		
1061	Layout and install roofing materials.		
1062	Layout and install capping.		
1100	INTERIOR FINISH		
1101	RESERVED		
1102	RESERVED		
1103	Layout, install and finish drywall.		
1104	Layout and install suspended and tile ceilings.		
1105	Layout and install interior doors.		
1106	Layout and install door trim, casings and hardware.		
1107	Layout and install window trim, casings and hardware.		
1108	Layout and install baseboard and molding.		
1109	Layout and install flooring materials.		
1110	Layout and install interior stair systems.		
1111	Install various types of insulation.		
1160	Install manufactured kitchen cabinets and countertops.		
1161	Layout and install pocket doors.		

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1200	ESTIMATION		
1201	Estimate the amount and cost of bricks and blocks needed to complete a given task.		
1202	Estimate the amount and cost of concrete needed to complete a given task.		
1203	Estimate the amount and cost of materials to finish an exterior wall.		
1204	Estimate the amount and cost of materials to finish an interior wall.		
1205	Estimate the amount and cost of materials to construct a finished floor.		
1206	Estimate the amount and cost of materials to construct a finished roof.		
1207	Estimate the amount and cost of materials to install siding for a house.		
3000	BUILDING MATERIALS		
3060	Handle and store building materials		
3061	Identify types, list sizes and describe uses of wood finish and framing materials		
3062	Identify types and describe uses for manufactured building materials		
3063	Write a materials list for a project		
3064	Use, store and dispose of hazardous glues, solvents and compound chemicals		
3065	Define hardwood and softwood		
3066	Introduce lumber grading and sizes		
3100	SEALANTS, FASTENERS, AND ADHESIVES		
3160	Identify types, sizes and use nails		
3161	Identify types, sizes and use screws		
3162	Identify types, sizes and use bolts		
3163	List types, describe characteristics and use adhesives		
3164	List types, describe characteristics and use sealants		
3165	List types, describe characteristics and use masonry anchors		
3200	MATHEMATICAL CALCULATIONS		
3260	Add, subtract, multiply and divide whole numbers		
3261	Add, subtract, multiply and divide fractions and mixed numbers		
3262	Add, subtract, multiply and divide decimals and mixed numbers		
3263	Round decimals and mixed numbers		
3264	Change fractions into decimals and decimals into fractions		
3265	Estimate using lineal, square and volume calculations		