

Indiana Career and Technical Education Pathways Region 5 High School Courses

State High School Course Code	State Approved High School Diploma Course Titles	Max # HS Credits per Year	CTE State Funding Level per Year	State DWD/DOE Demand Definition*	State DWD/DOE Wage Definition*	Region 5 Enrollments (2011-12)	Region 5 Concentrators (2011-12)	Percentages	
								PW Enroll % Of Region Total Enroll	Conc % of PW Total Enroll
	Agriculture					2810	652	6.1%	23.2%
5070	Advanced Life Science: Animals (L)	2	\$375	Moderate	High	275	93		
5072	Advanced Life Science: Foods (L)	2	\$375	Moderate	High	154	50		
5074	Advanced Life Science: Plants and Soils (L)	2	\$375	Moderate	High	89	33		
5002	Agribusiness Management	2	\$375	Moderate	High	75	46		
5088	Agriculture Power, Structure and Technology	6	\$375	Moderate	High	303	66		
5008	Animal Science	6	\$375	Moderate	High	641	103		
5102	Food Science	2	\$375	Moderate	High	28	11		
5132	Horticultural Science	6	\$375	Moderate	High	213	55		
5056	Intro to Agriculture, Food and Natural Resources	2	\$375	Moderate	High	721	108		
5136/37	Landscape Management I and II	6	\$450	High	High	143	69		
5180	Natural Resources	2	\$300	Low	High	95	18		
5170	Plant and Soil Science	2	\$450	High	High	8	0		
5229	Sustainable Energy Alternatives	2	\$375	Moderate	High				
	Farm Management	2				65	0		
	Architecture & Construction					500	198	1.1%	39.6%
5640/52	Architectural Drafting and Design I and II	6	\$375	Moderate	High	42	14		
5593/94	Building & Facilities Maintenance I and II	6	\$450	High	High				
5592/95	Building & Facilities Management I and II	6	\$450	High	High	8	7		
4830/32	Construction Technology Electrical I and II	6	\$450	High	High				

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5497/99	Construction Technology Heavy Equipment I and II	6	\$450	High	High				
5496/98	Construction Technology HVAC I and II	6	\$450	High	High	44	3		
5580/78	Construction Technology I and II	6	\$450	High	High	406	174		
5686	Industrial Repair and Maintenance	6	\$450	High	High				
4792	Introduction to Construction	2	\$250	Other	Other				
5350	Introduction to Housing and Interior Design	2	\$250	Other	Other				
4836/38	Mechanical Drafting and Design I and II	6	\$375	Moderate	High				
5472/ 5858	Residential and Commercial Facilities Mgmt Careers I and II	6	\$450	High	High				
	Arts, Audio Visual Technology & Communications					2276	524	4.9%	23.0%
5570	Commercial Photography	6	\$375	High	Moderate	195	48		
5550	Graphic Design and Layout	6	\$450	High	High	78	18		
5572	Graphic Imaging Technology	6	\$450	High	High	285	119		
5232	Interactive Media	6	\$450	High	High	848	242		
4790	Introduction to Communication	2	\$250	Other	Other				
4794	Introduction to Design Processes	2	\$250	Other	Other				
5986/92	Radio and Television I and II	6	\$450	High	High	840	97		
5530	Three D Computer Animation and Visualization	6	\$375	Moderate	High	30	0		
	Business, Finance & Marketing					11152	1502	24.1%	13.5%
5394	Preparing for College and Careers	1	\$250	Other	Other	6204	754		
4524	Accounting	2	\$250	Other	Other				
5268	Advanced Business Management	4	\$450	High	High	1260	108		
4560	Business Law and Ethics	2	\$250	Other	Other				
5966	Entrepreneurship and New Ventures	6	\$450	High	High	354	39		
5258	Financial Services	6	\$450	High	High	567	68		
5982	Marketing in Hospitality	2	\$300	Low	High				

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5962	Merchandising	2	\$375	Moderate	High	49	22		
4562	Principles of Business Management	2	\$450	High	High				
5914	Principles of Marketing	2	\$450	High	High	937	63		
5984	Sports and Entertainment Marketing	2	\$300	Low	High	431	185		
5918	Strategic Marketing	6	\$450	High	High	108	14		
	Business Technology Lab I and II	6				1144	179		
	Marketing Management Seminar	2				98	70		
	Education & Training					4079	1614	8.8%	39.6%
5330	Adult Roles and Responsibilities	2	\$250	Other	Other	576	598		
5360	Advanced Child Development	2	\$250	Other	Other	70	10		
5362	Child Development	2	\$250	Other	Other	2980	894		
5412/06	Early Childhood Education I and II	6	\$450	High	High	264	63		
5408/04	Education Professions I and II	6	\$450	High	High	189	49		
	Engineering					4514	1135	9.8%	25.1%
5518	Aerospace Engineering non PLTW	2	\$450	High	High	42	30		
4816	Aerospace Engineering PLTW	2	\$450	High	High	98	52		
5648	Biotechnical Engineering non PLTW	2	\$375	Moderate	High	3	0		
4818	Biotechnical Engineering PLTW	2	\$375	Moderate	High	12	12		
5650	Civil Engineering and Architecture non PLTW	2	\$375	Moderate	High	41	30		
4820	Civil Engineering and Architecture PLTW	2	\$375	Moderate	High	326	134		
5534	Computer Integrated Manufacturing non PLTW	2	\$375	Moderate	High				
4810	Computer Integrated Manufacturing PLTW	2	\$375	Moderate	High	102	175		
5538	Digital Electronics non PLTW	2	\$375	Moderate	High				
4826	Digital Electronics PLTW	2	\$375	Moderate	High	333	135		
5698	Engineering Design and Development non PLTW	2	\$450	High	High	65	0		
4828	Engineering Design and Development PLTW	2	\$450	High	High	220	56		

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4802	Introduction to Engineering Design non PLTW	2	\$375	Moderate	High				
4812	Introduction to Engineering Design PLTW	2	\$375	Moderate	High	2296	258		
5644	Principles of Engineering non PLTW	2	\$450	High	High	26	26		
4814	Principles of Engineering PLTW	2	\$450	High	High	950	227		
5229	Sustainable Energy Alternatives	2	\$375	Moderate	High				
	Hospitality & Human Services					9086	2283	19.6%	25.1%
5346	Advanced Culinary Arts	6	\$450	High	High	14	14		
5458	Advanced Hospitality Management	6	\$450	High	High				
5340	Advanced Nutrition and Wellness	2	\$250	Other	Other	743	196		
5802/06	Cosmetology I and II	6	\$375	High	Moderate	473	176		
5440	Culinary Arts and Hospitality Management	6	\$450	High	High	470	207		
5336	Human and Social Services I and II	6	\$450	High	High	292	8		
5366	Human Development and Wellness	2	\$250	Other	Other	220	46		
5364	Interpersonal Relationships	1/1	\$250	Other	Other	1673	333		
5438	Introduction to Culinary Arts & Hospitality	2	\$250	Other	Other	368	19		
5342	Nutrition and Wellness	1	\$250	Other	Other	4833	1284		
	Health Science					4565	1468	9.9%	32.2%
5276	Anatomy and Physiology	2	\$375	Moderate	High	363	123		
5203/04	Dental Careers I and II	6	\$450	High	High	245	67		
5282	Health Science Education I	6	\$450	High	High	404	185		
5284	Health Science Education II: Nursing	6	\$450	High	High	251	77		
5214	Health Science II: Pharmacy	6	\$375	High	Moderate	33	1		
5215	Health Science II: Physical Therapy	6	\$450	High	High	22	17		
5286	Health Science II: Special Topics	6	\$450	High	High	70	52		
5272	Introduction to Health Science Careers	2	\$250	Other	Other	548	144		
5274	Medical Terminology	2	\$375	Moderate	High	235	175		

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	Integrated Health Sciences	6				39	11		
5211/12	Veterinary Careers I and II	6	\$375	Moderate	High	30	16		
5219	PLTW Biomedical Innovation	2	\$450	High	High	102	71		
5216	PLTW Human Body Systems	2	\$450	High	High	647	136		
5217	PLTW Medical Interventions	2	\$450	High	High	300	214		
5218	PLTW Principles of Biomedical Sciences	2	\$450	High	High	1276	179		
	Information Technology					1071	348	2.3%	32.5%
4534/ 5236	Computer Programming I and II	6	\$450	High	High	440	42		
5230	Computer Tech Support	6	\$375	Moderate	High	471	201		
4588	Infrastructure of the Internet	6	\$450	High	High				
5234	Network Fundamentals	6	\$450	High	High	160	105		
5257	Servers and Security	6	\$450	High	High				
	Manufacturing					795	199	1.7%	25.0%
5608/06	Advanced Manufacturing I and II	6	\$450	High	High	119	15		
4800	Computers in Design and Production	2	\$250	Other	Other				
5684/94	Electronics and Computer Technology I and II	6	\$375	Moderate	High	106	40		
4796	Introduction to Advanced Manufacturing & Logistics	2	\$250	Other	Other				
4784	Introduction to Manufacturing	2	\$250	Other	Other				
5782/84	Precision Machining I and II	6	\$450	High	High	263	73		
5776/78	Welding Technology I and II	6	\$450	High	High	307	71		
	Public Safety					615	154	1.3%	25.0%
5822/24	Criminal Justice I and II	6	\$450	High	High	241	67		
5210	Emergency Medical Services	6	\$375	High	Moderate	198	45		
5820/26	Fire and Rescue I and II	6	\$450	High	High	176	42		
	Transportation & Logistics					1672	577	3.6%	34.5%

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5514/44	Automotive Collision Repair Technology I and II	6	\$450	High	High	435	202		
5510/46	Automotive Services Technology I and II	6	\$450	High	High	905	256		
5524	Aviation Flight	2	\$375	Moderate	High	27	8		
5520	Aviation Maintenance	6	\$375	Moderate	High	15	2		
5528	Aviation Operations	6	\$375	Moderate	High	31	12		
5620/24	Diesel Service Technology I and II	6	\$450	High	High	137	54		
4798	Introduction to Transportation	2	\$250	Other	Other				
5842/44	Recreational and Mobile Equipment I and II	6	\$375	Moderate	High	117	43		
5601	Supply Chain Management and Logistics	6	\$450	High	High				
5622	Tractor/Trailer Operation	6	\$450	High	High	5	0		
5602	Warehouse Operations & Materials Handling	6	\$375	Moderate	High				
	Cooperative Education, Work Based Learning & Internships					1217	503	2.6%	41.3%
5990	Marketing Field Experience	6	\$250	Coop/WBL	Coop/WB L	99	62		
5260	Business Cooperative Experiences	6	\$250	Coop/WBL	Coop/WB L	86	49		
5480	Cooperative Occupational Family and Consumer Sci	6	\$250	Coop/WBL	Coop/WB L	30	0		
5207	Health Career Practicum	3	\$250	Coop/WBL	Coop/WB L	29	15		
5902	Interdisciplinary Cooperative Education	6	\$250	Coop/WBL	Coop/WB L	396	138		
5892	Trade and Industrial Cooperative Education	6	\$250	Coop/WBL	Coop/WB L	2	0		
5256	Professional Career Internship	2/2	\$250	Coop/WBL	Coop/WB L	575	239		
	Family & Consumer Sciences					1965	623	4.2%	31.7%
5072	Advanced Life Science: Foods (L)	2	\$375	Moderate	High				
5344	Chemistry of Food	2	\$250	Other	Other	76	0		

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5334	Consumer Economics	2	\$250	Other	Other	94	2		
5420	Fashion and Textile Careers I and II	6	\$450	High	High	65	0		
5460	Housing and Interior Design Careers I and II	6	\$375	Moderate	High	191	8		
5380	Introduction to Fashion and Textiles	2	\$250	Other	Other	1027	238		
5456/57	Nutrition Science Careers I and II	6	\$450	High	High				
5394	Preparing for College and Careers	1	\$250	Other	Other				
	Personal Resource Management & Family Finance	2				512	375		
	Totals					46,274	11,189		

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NOTES

These courses represent the state-approved and state-funded CTE courses, as populated in Region 5 high schools for the 2011-12 year.

Funding is based upon Demand and Wage ratings. The Demand and Wage ratings are based on 2012-2022 Indiana Wage & Demand Data from DWD via DOE:

- **Demand Definition:**
 - More than moderate implies a demand level of 801 and higher
 - Moderate demand implies a demand level of 201 to 800
 - Less than moderate demand implies a demand level of 200 or less

- **Wage Definition:**
 - More than moderate wage is \$13.01 and higher average wage
 - Moderate wage implies that average wage is between \$8.01 and \$13.00
 - Less than moderate wage is \$8.00 and below

- **Other:** Courses at the introductory level and those not in wage/demand categories are flat funded at \$250 per year.

- **Coop/WBL:** Cooperative education, internship & other courses that are primarily work-based learning experiences are flat funded at \$250 per year.