

**Penn College Dual Enrollment
Secondary Teacher Eligibility/Credential Requirements**

updated 5/6/2025

Discipline	Course #	Credits	Course Name	Instructor Qualifications: <u>Education</u> Level, Minimum	Instructor Qualifications : <u>Education</u> Level, Desired	Instructor Qualifications: <u>Certifications</u> , Minimum	Instructor Qualifications: <u>Certifications</u> , Desired	Instructor Qualifications: <u>Experience</u> , Minimum	Instructor Qualifications: <u>Experience</u> , Desired	School Requirements: LAB Space	School Requirements: Equipment	Sample lesson required? (30 minutes long)	OTHER:
Advertising Art/ Graphic Design	ART145	3	History of Graphic Design	Bachelor's in related discipline; Art/Design							Mac computer		
Air Conditioning & Refrigeration	ACR116	5	Introduction to Refrigeration	Bachelor's in plumbing/heating trade discipline OR Bachelor's in related discipline and graduate of tech school in discipline	Master's or Doctorate in Engineering Tech, Engineering, or related discipline		PA Voc Trade Competency Exam; Journeyman; Master Plumber's License	7 years					
Architectural Technology	ACH135	3	Architectural Computer Aided Drafting	Bachelor's in Architecture, Arch Tech, Arch Eng, Sustainable Design, or related discipline	Master's in Architecture, Arch Tech, Arch Eng, Sustainable Design, or related discipline		Licensure as Registered Architect or Professional Engineer; formal coursework in education	6 years	6 years utilizing CAD in design and construction documentation				
Automotive	AMT109	3	Automotive Electrical Fundamentals	Associate degree in related discipline or combo of education and experience	Bachelor's degree in related discipline	A6 ASE							
Automotive	AMT112	3	Brake Systems	Associate degree in related discipline or combo of education and experience	Bachelor's degree in related discipline	A5 ASE							
Automotive	AMT113	3	Steering & Suspension	Associate degree in related discipline or combo of education and experience	Bachelor's degree in related discipline	A4 ASE							
Biology	BIO103	4	Human Anatomy & Physiology Survey	Bachelor's in Biology or closely related discipline	Master's in Biology or closely related discipline							Yes	
Building Construction	BCT103	1	Construction Hand & Power Tools	Associate degree in Construction Tech OR two-year Certificate in Building Trades OR combo of education/experience	Bachelor's in Voc/Industrial Ed; Master's in Construction-related discipline and/or Workforce Ed.			4 years	Journeyman; Master Plumber's License				
Building Construction	BCT109	4	Framing Principles	Associate degree in Construction Tech OR two-year Certificate in Building Trades OR combo of education/experience	Bachelor's in Voc/Industrial Ed; Master's in Construction-related discipline and/or Workforce Ed.			4 years	Journeyman; Master Plumber's License				

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Building Construction	BCT234	5	Masonry Principles	Associate degree in Construction Tech OR two-year Certificate in Building Trades OR combo of education/experience	Bachelor's in Voc/Industrial Ed; Master's in Construction-related discipline and/or Workforce Ed.			4 years	Journeyman; Master Plumber's License				
Business	BIM120	3	Social Media in Business & Society	Business certified instructors or those with social media/marketing experience. MBA preferred.	MBA/DBA/PhD in business related area (marketing concentration)	PA Teaching Cert in business	PA Teaching Cert in business	5 years	Marketing/Social Media Experience				School needs to provide access for students to log-in to social media accounts; (Teacher Survey to be completed)
Business	MGT105	3	Introduction to Business	Business certified instructors or those with social media/marketing experience. MBA preferred.	MBA/DBA/PhD in business related area (marketing concentration)	PA Teaching Cert in business	PA Teaching Cert in business	5 years	Management/Leadership Experience				
Chemistry	CHM100	4	Fundamentals of Chemistry	Bachelor's degree in Chemistry or closely related discipline	Master's degree in Chemistry or closely related discipline	PA Teaching Certificate Chemistry Education	Additional college-level work in chemistry or work related experience	5 years teaching chemistry	Teaching experience in honors chemistry and AP Chemistry	must have a functional chemistry lab with gas hookups	Glassware, bunsen burners, and chemicals to perform at least 10 experiments	Yes	Must exhibit excellence in pedagogical practices.
Collision Repair (Auto Body)	ABC100	2	Introduction to Non-Structural Collision Repair	Associate degree in related discipline or combo of education and experience		I-CAR within discipline; ASE B3 Non structural Analysis & Damage Repair		3 years relevant trade experience					
Collision Repair (Auto Body)	ABC104	3	Introduction to Non-Structural Collision Repair Applications	Associate degree in related discipline or combo of education and experience		I-CAR within discipline; ASE B3 Non structural Analysis & Damage Repair		3 years relevant trade experience					
Computer-Aided Drafting	CAD120	3	AutoCAD - Comprehensive	Associate degree in Computer-Aided Drafting or related discipline	Bachelor's degree in Computer-Aided Drafting or related discipline			Teaching and/or Industrial work experience in drafting and CAD	Work experience with current release of AutoCAD				
Computer-Aided Drafting	CAD122	3	3D Parametric Modeling Using Autodesk Inventor ®	Associate degree in Computer-Aided Drafting or related discipline	Bachelor's degree in Computer-Aided Drafting or related discipline			Teaching and/or Industrial work experience in drafting and CAD	Work experience with current release of AutoCAD				
Computer-Aided Drafting	CCD103	4	Technical Drawing I	Associate degree in Computer-Aided Drafting or related discipline	Bachelor's degree in Computer-Aided Drafting or related discipline			Teaching and/or Industrial work experience in drafting and CAD	Work experience with current release of AutoCAD				
Computer-Aided Drafting	CCD104	3	Detailing I	Associate degree in Computer-Aided Drafting or related discipline	Bachelor's degree in Computer-Aided Drafting or related discipline			Teaching and/or Industrial work experience in drafting and CAD	Work experience with current release of AutoCAD				

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Computer Technology	BWM150	3	Introduction to Web Page Development	Bachelor's degree in Computer Science, Information Technology, or related discipline	Master's degree in Computer Science, Information Technology, or related discipline								
Computer Technology	CIT160	3	Introduction to Programming	Bachelor's degree in Computer Science, Information Technology, or related discipline	Master's degree in Computer Science, Information Technology, or related discipline								
Computer Technology	CIT180	3	Introduction to Database	Bachelor's degree in Computer Science, Information Technology, or related discipline	Master's degree in Computer Science, Information Technology, or related discipline								
Computer Technology	CSC132	3	Introduction to Gaming & Simulation	Bachelor's degree in Computer Science, Information Technology, or related discipline	Master's degree in Computer Science, Information Technology, or related discipline								
Computer Technology	EET145	4	Networking I	Bachelor's degree in Computer Science, Information Technology, or related discipline	Master's degree in Computer Science, Information Technology, or related discipline								
Culinary Arts/ Hospitality	FHD101	3	Foundations of Professional Cooking	AAS/BS in Baking, Culinary, Hospitality Management or related field	BS/Masters in Baking, Culinary, Hospitality Management or related field	ServSafe + ServSafe Instructor/ Proctor				Quantity Production Equipment; Quantity Baking Equipment; Standard Commercial Culinary/kitchen equipment			
Culinary Arts/ Hospitality	FHD137	3	Introductory Baking	AAS/BS in Baking, Culinary, Hospitality Management or related field	BS/Masters in Baking, Culinary, Hospitality Management or related field	ServSafe + ServSafe Instructor/ Proctor				Quantity Production Equipment; Quantity Baking Equipment; Standard Commercial Culinary/kitchen equipment			
Diesel	DSM119	2	Fuel Systems	A.A.S in Diesel Tech or relevant industry experience		ASE Certification Heavy/Medium Truck-Diesel Engines	ASE Certification Heavy/Medium Truck-Master Tech	3 years	5 or more years				
Diesel	DSM141	2	Heavy Duty Brake Systems	A.A.S in Diesel Tech or relevant industry experience		ASE Certification Heavy/Medium Truck- Brakes	ASE Certification Heavy/Medium Truck-Master Tech	3 years	5 or more years				

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Electrical	ELT116	5	Construction Lab I: Residential	Associate's in Electrical Tech, Electrical Construction, or related discipline	Bachelor's in Electrical Tech, Electrical Construction, or related discipline; formal coursework in Education			2 years	Teaching experience				
Electronics/Engineering Technology	EET114	3	Introduction to Digital Electronics	Associate degree in Electronics or related discipline	Bachelor's in Electronics or related discipline								
Electronics/Engineering Technology	EET115	1	Digital Circuits Applications	Associate degree in Electronics or related discipline	Bachelor's in Electronics or related discipline								
Electronics/Engineering Technology	EET116	5	Electronic Circuits & Devices I	Associate degree in Electronics or related discipline	Bachelor's in Electronics or related discipline								
Electronics/Engineering Technology	EET124	3	Engineering, Technology, & Society	Associate degree in Electronics or related discipline	Bachelor's in Electronics or related discipline								
Emergency Management Technology	BEM101	3	Introduction to Emergency Management Operations	Bachelor's in Emergency Management or related field	Master in Emergency Management or related field								
Emergency Management Technology	BEM103	3	The History & Evolution of Emergency Management	Bachelor's in Emergency Management or related field	Master in Emergency Management or related field								
English	ENL111	3	English Composition I	Bachelor's in English	Master's in English			One year teaching experience, preferably at the college level.				Yes	Candidates will be interviewed along with their sample lesson, ideally by two or more department members.
History	HIS116	3	World History I	Bachelor's in History	Master's in History			Relevant teaching experience, preferably at the college level, or closely related practical work in education				Yes	
History	HIS126	3	World History II	Bachelor's in History	Master's in History			Relevant teaching experience, preferably at the college level, or closely related practical work in education				Yes	
History	HIS136	3	United States Survey to 1877	Bachelor's in History	Master's in History			Relevant teaching experience, preferably at the college level, or closely related practical work in education				Yes	

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History	HIS146	3	United States Survey from 1877 to the Present	Bachelor's in History	Master's in History			Relevant teaching experience, preferably at the college level, or closely related practical work in education				Yes	
Horticulture	HRT101	1	Introduction to Ornamental Horticulture	A.A.S in Horticulture related degree or related industry experience	Bachelor's in Horticulture or related industry experience			Min of 3 years	4 or more years				
Industrial Design	BIX110	3	Introduction to Industrial Design	Bachelor's in Industrial Design, Mechanical Engineering, Architecture, or related discipline	Master's in relevant discipline; coursework in using computers in instruction			Employment in the industrial design area; teaching experience (strongly desired)	Experience with charcoal and clay rendering as well as PC-based Rhino and Photoshop	Experience using computers in instruction			
Machinist General & Machine Tool Technology	MTT128	4	Mill Applications	Associate degree in Tool Technology, Engineering Tech, or related discipline	Bachelor's degree in Tool Technology, Engineering Tech, or related discipline								
Machinist General & Machine Tool Technology	MTT129	4	Lathe Applications	Associate degree in Tool Technology, Engineering Tech, or related discipline	Bachelor's degree in Tool Technology, Engineering Tech, or related discipline								
Medical Terminology	MTR100	1	Medical Terminology Survey	Bachelor's degree in a related healthcare discipline OR a bachelor's degree in non-healthcare discipline and a registered nurse license or paramedic certification.									
Medical Terminology	MTR104	3	Basics of Medical Terminology	Bachelor's degree in a related healthcare discipline OR a bachelor's degree in non-healthcare discipline and a registered nurse license or paramedic certification.									
Polymer Engineering Technologies	PPT116	2	Polymer Industries	Associate degree in Plastics	Bachelor's degree in Plastics Technology or related discipline								

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Polymer Engineering Technologies	PPT118	3	Polymer Processing Survey - Lecture	Associate degree in Plastics	Bachelor's degree in Plastics Technology or related discipline								
Political Science	PSC131	3	American Government-National	Bachelor's in Political Science or closely related field	Master's in Political Science or closely related field							Yes	
Political Science	PSC141	3	State & Local Government	Bachelor's in Political Science or closely related field	Master's in Political Science or closely related field							Yes	
Psychology	PSY111	3	General Psychology	Bachelor's in Psychology or closely related discipline with significant coursework in Psych	Master's in Psychology or closely-related discipline; coursework in using computers in instruction			Relevant teaching experience, preferably at the college level, or closely related practical work in education	Experience using computers in instruction			Yes	
Sociology	SOC111	3	Introduction to Sociology	Bachelor's in Sociology or closely related discipline	Master's in Sociology or closely-related discipline							Yes	
Welding	WEL119	4	Shielded Metal Arc Welding	Associate or Certificate degree in Welding	Bachelor's degree in Welding Engineering, Welding Tech, or related discipline			Three years of related welding experience	Five years of teaching and/or industrial experience in welding				
Welding	WEL133	4	Flux Cored Arc Welding	Associate or Certificate degree in Welding	Bachelor's degree in Welding Engineering, Welding Tech, or related discipline			Three years of related welding experience	Five years of teaching and/or industrial experience in welding				
Welding	WEL146	4	Gas Tungsten Arc Welding	Associate or Certificate degree in Welding	Bachelor's degree in Welding Engineering, Welding Tech, or related discipline			Three years of related welding experience	Five years of teaching and/or industrial experience in welding				