















# Recommended Programs of Study Course Requirements and Sequence (SY 24-25)

Program of Study	Program of Study Description	COURSE 1	COURSE 2	COURSE 3	COURSE 4
 <b>Architectural Design</b>	The Architectural Design program is designed to provide students with the knowledge and skills necessary to master basic principles of architecture and use the latest technology and software to plan and design structures and complete architectural drawings.	Foundations of Architectural Design	Architectural Design 1	Architectural Design 2	Architectural Design: Work-Based Learning
 <b>Automotive Collision Repair</b>	The Automotive Collision Repair program is designed to provide students with the knowledge and skills necessary to undertake repair procedures for internal and external non-structural repairs.	Foundations of Collision Repair	Collision Repair: Non-structural	Collision Repair: Painting and Refinishing	Collision Repair: Damage Analysis, Estimating & Customer Service and/or ACR: WBL
 <b>Automotive Maintenance &amp; Light Repair</b>	The Automotive Maintenance and Light Repair (MLR) program is designed to provide students with the knowledge and skills necessary to demonstrate technical knowledge of bumper-to-bumper maintenance and light repairs in the critical areas of engine systems, automatic transmission/transaxle, manual drivetrain and axles, suspension & steering, brakes, electrical, and heating & A/C.	Foundations of Automotive MLR	Automotive MLR 1	Automotive MLR 2	Automotive MLR 3* and/or Auto: WBL
 <b>Welding</b>	The Welding program is designed to provide students with the skills and knowledge to effectively perform cutting and welding applications used in the advanced manufacturing industry. Students will be proficient in safe welding practices, GMAV, FCAW, GTAW and quality control methods.	Foundations of Manufacturing (Welding)	Welding 1	Welding 2	Welding: WBL
 <b>Digital Design</b>	The Digital Design program is designed to provide students with the knowledge and skills to use industry-standard software to create multimedia projects, web pages, three-dimensional models, and animations.	Foundations of Creative Media	Digital Design 1	Digital Design 2	Entrepreneurship 1 and/or DD:WBL
 <b>Entrepreneurship</b>	The Entrepreneurship program is designed to provide students with the knowledge and skills necessary to be an effective entrepreneur. Students will conceive and launch their own businesses, identify existing opportunities, and transform them into new ventures.	Foundations of Business and Marketing	Entrepreneurship 1	Entrepreneurship 2	Entrepreneurship: WBL
 <b>Agriculture, Food &amp; Natural Resources</b>	The Food Systems program is designed to provide students with the knowledge and skills pertaining to plant and animal structural anatomy, systems physiology, genetics and biotechnology, economics of production, and other management approaches associated with plant and animal production.	Foundations of Agriculture, Food and Natural Resources	Principles of Food Production	Food Products and Processing Systems 1	Food Products and Processing Systems 2 and/or FS: WBL and/or Supervised Ag Experience (SAE)
 <b>Hospitality, Tourism, and Recreation: Culinary</b>	The Culinary Arts program is designed to provide students with the knowledge and skills necessary to enter into a postsecondary Culinary program in the food prep and service industries or related fields. Basic nutritional and cooking concepts, and the history and influence of culture on food will be covered.	Foundations of Culinary Arts	Culinary Arts: Food Preparation	Advanced Culinary Arts: Pastry and Savory	Kitchen and Restaurant Operations and/or CA WBL
 <b>Nursing Services</b>	The Nursing Services program is designed to provide students with the knowledge and skills necessary to enter into a postsecondary nursing program, leading to an RN license or advanced level credentials in nursing or as a physician.	Foundations of Health Services	Advanced Health Services	Nursing Services 1	Nursing Services 2 and/or NS WBL and/or Medical Assisting
 <b>Residential &amp; Commercial Construction</b>	The Residential & Commercial Construction program is designed to provide students with the knowledge and skills to sustain a career in all phases of structural construction - from project start to finish.	Foundations of Construction	Residential & Commercial Construction 1	Residential & Commercial Construction 2	Residential & Commercial Construction WBL



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 <b>Computer Science Programming</b>	The CS Programming program is designed to introduce students to basic skills in Python, Java, and C# languages. Mobile Application design and development as well as game development concepts/tools, game engine software and programming are all part of this program of study.	Foundations of Computer Science or AP CS Principles	Programming 1 or AP CS A	Programming 2: Mobile Applications Development	Programming 3: Game Development and/or Dual Enrollment: Specialized and/or Programming: WBL
 <b>Film &amp; Media Production</b>	The Film & Media Production program is designed to introduce students to the post-production process for digital film/video, industry & equipment skills used in film production and production of an original digital short film. Students will use production equipment and editing software in varying degrees of complexity.	Foundations of Creative Media	Digital Video Technology	Film & Media Production 1	Film & Media Production 2