



Career Cluster - 13.0 Manufacturing Cluster				
Pathways	Year 1	Year 2	Year 3	Year 4
Production Design	Career Management Success SDE # - 5701 MNPS Course Code - VOC8160 Credit: 1/2-1	Computer Aided Drafting SDE # - 5788 or 3823 MNPS Course Code - VO8531 or IND3823 Credit: 2	Advanced Computer Aided Drafting SDE # - 5789 or 3824 MNPS Course Code - VO8431 or IND3824 Credit: 2	Principles of Engineering SDE # - 5784 or 3820 MNPS Course Code - VO8150 or IND3820 Credit: 1
Operations & Maintenance	Career Management Success SDE # - 5701 MNPS Course Code - VOC8160 Credit: 1/2-1	Principles of Manufacturing SDE # - 5781 or 3818 MNPS Course Code - VOC8184 or IND3818 Credit: 1	Basic Principles of Welding SDE # - 5786 MNPS Course Code - VO5786 Credit: 2	Advanced Welding Applications SDE # - 5787 MNPS Course Code VO5787 Credit: 2
Precision Productions	Principles of Manufacturing SDE # - 5781 or 3818 MNPS Course Code - VO8184 or IND3818 Credit: 1	Programming and Logic SDE # - 5780 MNPS Course Code - VO8183 Credit: 1	Principles of Machining & Manufacturing SDE # - 5782 or 3818 MNPS Course Code - VO8442 or IND3819 Credit: 2	Manufacturing Applications SDE # - 5785 or 3822 MNPS Course Code - VO8154 or IND3822 Credit: 2
Engineering	Principles of Engineering SDE # - 5784 or 3820 MNPS Course Code - VOC8150 or IND3820 Credit: 1	Introduction To Engineering Design SDE # - 5793 or 3818 MNPS Course Code - VOC5783 Credit: 1	Digital Electronics SDE # - 5783 or 3821 MNPS Course Code - VOC8148 or IND3821 Credit: 1 OR Computer Integrated Manufacturing SDE # - 5794 MNPS Course Code ? Credit: 1	Engineering Design and Development SDE # - 5798 MNPS Course Code VO5798 Credit: 1
Project Lead the Way Engineering	Principles of Engineering SDE # - 3827 MNPS Course Code - VO8150 or IND3820 Credit: 1	Introduction To Engineering Design SDE # - 5793 or 3818 MNPS Course Code - VO5783 Credit: 1	Digital Electronics SDE # - 3828 MNPS Course Code - VO8148 or IND3821 Credit: 1 AND Computer Integrated Manufacturing SDE # - 3830 MNPS Course Code VOC8183 Credit: 1	Engineering Design and Development SDE # - 3834 MNPS Course Code VO5798 Credit: 1 AND Civil Engineering and Architecture SDE#3831 MNPS Course Code IND3831 Credit: 1