



| Career Cluster - 2.0 Architecture and Construction |   |  |   |  |
|--|---|--|---|--|
| Pathways   | Year 1  | Year 2   | Year 3  | Year 4   |
| <b>Construction Systems</b>                        | <b>Inventions &amp; Innovations</b><br>SDE # - 3810<br>MNPS Course Code - IND8192<br>Credit: 1  | <b>Technological Systems</b><br>SDE # - 3811<br>MNPS Course Code - IND3811<br>Credit: 1  | <b>Problems &amp; Solutions in Technology</b><br>SDE # - 3813<br>MNPS Course Code - IND3813<br>Credit: 1        | <b>Engineering Processes</b><br>SDE # - 3812<br>MNPS Course Code - IND3812<br>Credit: 1                                    |
| <b>Design &amp; Preconstruction</b>                | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Computer Aided Drafting (CAD)</b><br>SDE# - 5788 (T & I) or 3823 (TEE)<br>MNPS Course Code - VO8531 or IND3823<br>Credit: 1-2 | <b>Advanced CAD</b><br>SDE# - 5789 (T & I) or 3824 (TEE)<br>MNPS Course Code - VO8431 or IND3824<br>Credit: 1-2 | <b>Principles of Engineering</b><br>SDE# - 5784 (T & I) or 3820 (TEE)<br>MNPS Course Code - VO8150 or IND3820<br>Credit: 1 |
| <b>Construction Electrical</b>                     | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>Electrical I</b><br>SDE # - 5733<br>MNPS Course Code -VO5733<br>Credit: 1-2                                  | <b>Electrical II</b><br>SDE # - 5734<br>MNPS Course Code -VO5734<br>Credit: 1-2  |
| <b>Construction Concrete</b>                       | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>Concrete I</b><br>SDE # - 5737<br>MNPS Course Code -VO5737<br>Credit: 1-2                                    | <b>Concrete II</b><br>SDE # - 5738<br>MNPS Course Code -VO5738<br>Credit: 1-2  |
| <b>Construction Plumbing</b>                       | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>Plumbing I</b><br>SDE # - 5739<br>MNPS Course Code -VO5739<br>Credit: 1-2                                    | <b>Plumbing II</b><br>SDE # - 5740<br>MNPS Course Code -VO5740<br>Credit: 1-2  |
| <b>Construction HVAC/R</b>                         | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>HVAC/R I</b><br>SDE # - 5741<br>MNPS Course Code -VO8411<br>Credit: 1-2                                      | <b>HVAC/R II</b><br>SDE # - 5742<br>MNPS Course Code -VO8511<br>Credit: 1-2  |
| <b>Construction Wiring</b>                         | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>Basic Principles Welding</b><br>SDE # - 5786<br>MNPS Course Code -VO5786<br>Credit: 1-2                      | <b>Advanced Welding Applications</b><br>SDE # - 5787<br>MNPS Course Code -VO5787<br>Credit: 1-2                            |



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| <b>Construction Carpentry</b>                      | <b>Career Management Success</b><br>SDE # - 5701<br>MNPS Course Code - VOC8160<br>Credit: 1/2-1 | <b>Construction Core</b><br>SDE # - 5730<br>MNPS Course Code - VO8714<br>Credit: 1   | <b>Carpentry I</b><br>SDE # - 5731<br>MNPS Course Code -VO5731<br>Credit: 1-2                      | <b>Carpentry II</b><br>SDE # - 5732<br>MNPS Course Code -VO5732<br>Credit: 1-2  |
| <b>Interior Design</b>                             | <b>Family &amp; Consumer Sciences</b><br>SDE # - 5603<br>MNPS Course Code -FCS8180<br>Credit: 1 | <b>Consumer Economics</b><br>SDE # - 5605<br>MNPS Course Code - FCS8780<br>Credit: 1<br>*HQ - can be substituted for Economics | <b>Housing and Interior Design</b><br>SDE # - 5607<br>MNPS Course Code -FCS8689<br>Credit: 1/2-1   | <b>Interpersonal Communications</b><br>SDE # - 5608<br>MNPS Course Code -FCS8686<br>Credit 1/2<br><b>AND</b><br><b>Career Connections</b><br>SDE # - 5620<br>MNPS Course Code -FCS8190<br>Credit: 1/2 |
| <b>Landscape Design</b>                            | <b>Nursery Production</b><br>SDE # - 5120<br>MNPS Course Code -AGR8674<br>Credit: 1/2-1         | <b>Computer Aided Drafting</b><br>SDE# - 5788 (T & I) or 3823 (TEE)<br>MNPS Course Code - VO8531 or<br>IND3823<br>Credit: 1-2  | <b>Exterior/Interior Landscaping</b><br>SDE # - 5113<br>MNPS Course Code -AGR8673<br>Credit: 1/2-1 | <b>Horticulture Technology</b><br>SDE # - 5125<br>MNPS Course Code -AGR8120<br>Credit: 1  |