STRUCTURED COMMUNICATION SYSTEMS

Catalog Description:
Structured Communication Systems (SCS) students will gain practical experience in implementing many concepts in SCS by installing and terminating various cabling types, configuring voice/data and fire/alarm systems, and other equipment. The student will be able to install various SCS; select and operate the appropriate test equipment to perform test procedures; perform routine maintenance; perform minor troubleshooting procedures and repairs; identify and describe industry standards, protocols and safety procedures relating to structured communication systems.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
☐ Goal 1: Communication: By meeting the following competencies:
☐ Goal 2: Critical Thinking: By meeting the following competencies:
☐ Goal 3: Natural Sciences: By meeting the following competencies:
☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
☐ Goal 7: Human Diversity: By meeting the following competencies:
☐ Goal 8: Global Perspective: By meeting the following competencies:
☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
☐ Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
- Review of Articles in National Electrical Code relating to low Voltage
- Grounding and Bonding
- Wiring and Protection
- Wiring methods and material
- Equipment for general use in low voltage
- Special Occupancies, equipment and conditions
**Student Learning Outcomes**

<table>
<thead>
<tr>
<th>Identify various cable types and terminations.</th>
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<td>Configure voice/data systems.</td>
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<td>Describe real-world structured communications implementations.</td>
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<td>Identify cable qualities from test results and cable specifications.</td>
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<td>Install various SCS.</td>
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**Is this course part of a transfer pathway: Yes ☐  No ☒**

*If yes, please list the competencies below*

Revised Date: 3/29/2022