Covers climbing techniques, with fall arrest. Students will also learn installation and removal of pole hardware, setup and safe operation of digger derricks, bucket trucks, hydraulic systems, and truck driving operations. Also included in the course is the operation of elbow and squirt booms, safety checkout and use of the lifting jib.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S)
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
Pole climbing equipment
### Pole climbing fundamentals
- Testing Poles
- Digger truck safety and operation
- Hole digging and setting poles

### Student Learning Outcomes
- Identify pole climbing equipment
- Describe hand and foot placement
- Describe tool belt safety strap placement
- Describe pole quadrant
- Demonstrate climbing pole freehand
- Demonstrate climbing pole safety strap method
- Describe sound testing pole
- Describe safety rules for digger derrick truck operation including positioning, stabilizing, override control, emergency operations, emergency procedures, boom lifting capabilities, and truck ground and barrier
- Complete log sheet for digger truck
- Describe digger truck hydraulic and overload protectors
- Describe digger truck cold weather start-up
- Demonstrate steps for digging hole
- Demonstrate steps for setting pole

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<tr>
<th>Is this course part of a transfer pathway:</th>
<th>Yes ☐</th>
<th>No ☒</th>
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Revised Date: October, 2020