**Course Title:** GPS Systems Operation

**Catalog Description:**
GPS Systems Operation explains the operation, installation, adjustment, and repair of the GPS in accordance to the system principles.

**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**
- Global Positioning fundamentals
- Global Positioning service and repair

**Student Learning Outcomes**
- Describe parts of global positioning hardware
- Discuss the theory of Global Positioning Systems
- Troubleshoot issues in Global Positioning Systems
- Discuss how GPS systems are used in the industry of Ag production, over the-road trucks, travel/log books, and heavy equipment operation.
- Install Global Positioning Systems
- Repair Global Positioning Systems
| Is this course part of a transfer pathway: | Yes ☐ | No ☒ |

Revised Date: 8/2021