Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Collegewide Curriculum Committee.

DEPT. Robotics                              COURSE NO. ROBT2150

NUMBER OF CREDITS: 3-5

COURSE TITLE Internship

CATALOG DESCRIPTION The internship will give the student an opportunity to work with an employer and see the actual application of automation in the workplace.

AUDIENCE

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*
Area  : by meeting the following competencies:
Area  : by meeting the following competencies:
Area  : by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Completion of 1st year Robotics or Manufacturing Engineering Technology

LENGTH OF COURSE 3-5 credits/0 lec/0 Lab/3-5 Other

THIS COURSE IS USUALLY OFFERED:
Every other year ☐ fall ☐ spring ☐ summer X undetermined ☐

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: THE STUDENT WILL RECEIVE THE KNOWLEDGE AND SKILLS TO FUNCTION IN INDUSTRY.

2) THINKING SKILLS: THE STUDENT WILL SYSTEMATICALLY SOLVE CONTROL LOGIC PROBLEMS

3) COMMUNICATIONS SKILLS: THE STUDENT WILL BEGIN TO DEMONSTRATE APPROPRIATE COMMUNICATIONS BOTH ORAL AND WRITTEN.
4) HUMAN DIVERSITY: THE STUDENT WILL GAIN SELF AWARENESS REGARDING THEIR FEELINGS TOWARDS PEOPLE OF DIFFERENT CULTURES, VALUE SYSTEMS AND SOCIOECONOMIC STATUS.

TOPICS TO BE COVERED: The internship will provide supervised time for the student to work with actual applications and equipment with an employer.

LIST OF EXPECTED COURSE OUTCOMES: The student will gain knowledge of automated and robotic systems used in industry.

LEARNING/TEACHING TECHNIQUES used in the course are:

- [X] Collaborative Learning
- [X] Problem Solving
- [ ] Student Presentations
- [ ] Interactive Lectures
- [X] Creative Projects
- [X] Individual Coaching
- [ ] Lecture
- [ ] Films/Videos/Slides
- [X] Demonstrations
- [ ] Other (describe below)
- [ ] Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- [X] Reading
- [ ] Tests
- [X] Individual Projects
- [ ] Oral Presentations
- [ ] Worksheets
- [X] Collaborative Projects
- [ ] Textbook Problems
- [ ] Papers
- [X] Individual Projects
- [ ] Group Problems
- [ ] Term Paper
- [ ] Collaborative Projects
- [ ] Portfolio
- [ ] Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES:

To receive accommodations for a documented disability, please contact the campus Student Services Advisor as soon as possible. Students are also encouraged to notify the instructor.

This document can be made available in alternative format by contacting Student Services, the Campus CEOs or calling Minnesota Relay Service at 1-800-627-3529. Reasonable accommodations will be provided upon request for documented disabilities. An Affirmative Action Equal Opportunity Educator/Employer. ADA Accessible.

The information in this course outline is subject to revision.