CURRICULUM COMMITTEE CHECKLIST

NAME OF PROGRAM: Mechatronics Engineering Technology  Date: 12/13/2013

Step 1  Reviewed change at division meeting.   YES   NO

Step 2  Presented as informational item at Division Chair Meeting(s) and checked if it affects other departments. Like programs must meet with Division Chairs on all affected campuses (North Mankato and Faribault).

Division Chair’s signature

Step 3  Instructional Dean reviewed and indicated need for Curriculum Committee approval.   YES   NO

Instructional Dean’s signature

Step 4  Advisory Committee approval indicated in meeting minutes if necessary. Minutes provided to Curriculum Committee.   YES   NO

Step 5  Curriculum Committee made recommendations (changes, additional approvals, etc.). If no, skip to Step 7.   YES   NO

Step 6  Committee’s recommendations completed. (Skip if not applicable.)   YES   NO

Step 7  Curriculum Committee approved.   YES   NO

Curriculum Committee Chair’s signature

Step 8  Minutes and necessary materials provided to VP of Academic Affairs.   YES   NO

Step 9  Vice President of Academic Affairs approved.   YES   NO

Vice President of Academic Affairs’ signature

Step 10  New Course Maximum Enrollment to Shared Governance.   YES   NO

Step 11  President’s approval for all changes requiring MnSCU approval.   YES   NO

President’s signature

MECA 2335
2/7/14
Appendix B

New Course or Course Change Proposal Form

Date of Proposal: Dec. 13, 2013

Author: David Ewel

Proposal Type: New Course (Modify Course) Delete Course

Contact for the Course: David Ewel

Course Designator, Number and Title (e.g.: ACCT 1800, Business Law):
MECA 2235, Robotics

Number of Credits: 3

Prerequisites: MECA 2110 Sensors and Controls and MECA 2150 Mechatronics System Operation II

Course Description: This course will provide students with the principles of programming and control of multi-axis robotic systems used in an industrial environment. The student will gain the ability to program FANUC Robots and setup an automated robotic work cell. The student will also perform fundamental automated system troubleshooting procedures. Technical writing skills and safety procedures will be implemented throughout the course. This course builds on the student’s understanding of basic electrical, mechanical and programming concepts.

Grading Method: Grade Pass/Fail

Scheduling: Fall Spring Summer Alternate Years Variable On Demand

Instructional Type: Lecture Lab Lecture/Lab Internship Seminar

(*)Class Maximum: (For New Courses Only) / All Unlimited faculty members of a program or discipline must sign.

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Faculty Signature</th>
<th>Class Max</th>
<th>Date</th>
</tr>
</thead>
</table>

Dean's Name: Barb Eubacher

Dean's Signature

Date: 12/18/13

If there is not enough space provided, please use the back of this form for additional signatures or click on a row with the right button of the mouse, select Insert and then select Insert rows below to add rows to the table.

Is this Course Proposed as a Liberal Arts Course:

Yes No

If Yes, Which MnTC Area.Areas Will it Fulfill (http://www.mntc.org)?

Is This Course a Requirement/Elective for a Specific Program or Programs?

Yes No

If Yes, Which Program(s)? Mechatronics Engineering Technology

Describe What is Changing/Being Added, and the Rationale: Removing one of the prerequisites that is being dropped from the course offering. Course competencies and learning outcomes have changed to focus learning on FANUC Robotics robot programming and control. This is based on input from our advisory committee.

What Impact Will This New Course or Change Have on Other Programs or Areas? None.