Before completing this form, please refer to the *Instructions for Completing the Course Outcomes Form.* Please submit this form electronically to Shidon Aflatooni at **saflatooni@nwic.edu**.

Last date this form was updated or edited	12/4/2007
Course Number (e.g., ENGL 101)	CMPS 206
Course Name (e.g., English Composition I)	Introduction to Micro-Controllers
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Gary Brandt
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	What's a Microcontroller, Adam Lindsay, 2004, Parallax, ISBN 1-928982-02-6

A. NWIC outcomes: From the *List of NWIC Outcomes*, select the <u>most</u> important outcomes you <u>assess</u> in this course (at least **one** NWIC outcome must be chosen).

NWIC outcome # (e.g., "Written communication: 2a. write standard English")	**Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)**	**Assessment/Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)**
Written Communication 1. Students will be able to write in standard English 2. Write a technical paper using various credible sources	3. Choose a topic from a provided list 4. Submit a rough draft following the report guidelines 5. Submit a corrected final draft	1. Format follows guidelines 2. References cited properly 3. Spelling and grammar meet acceptable standards
Other course outcomes: Complete the sentence – **As a result of this course, students will be able to…**	**Instructional Activities: How will students master this outcome? (e.g., solving problems, group activity)**	**Assessment / Evaluation Strategies: How will you measure this outcome? (e.g., student presentations, essays)**
Describe what a microcontroller is and does.	Lecture, Internet research, textbook and hands-on activities	List five examples of devices that use microcontrollers
Program a microcontroller to accept and respond to user input.	Lecture, textbook reading and hands-on activities	Student will present a functioning microcontroller project.
Program a microcontroller to control lights and motion.	Lecture, textbook reading and hands-on activities	Student will present a functioning microcontroller project
Program a microcontroller to measure light and rotation.	Lecture, textbook reading and hands-on activities	Student will present a functioning microcontroller project
Program a microcontroller to create sound.	Lecture, textbook reading and hands-on activities	Student will present a functioning microcontroller project

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Created by Anne Marie Karlberg (please email amkarlberg@nwic.edu with questions or ideas)

C. Please list the NWIC outcomes and course outcomes from above on your syllabus.

D. Please assess the NWIC outcomes and course outcomes, which are listed above, in your classes.

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