

## CURRICULUM STANDARD REVISION

### Wayne Community College Machining Technology (A50300)

Recommendations from the 2008-2010 Machining Technology Curriculum Improvement Project (CIP) included proposed revisions to the Machining Technology (A50300) curriculum program standard.

Proposed revisions to the Machining Technology curriculum standard include the following:

- Revision of program title to Computer-Integrated Machining
- Revision of curriculum description
- Addition of a certification course set (MAC 171, MAC 172, MAC 173, and MAC 174) to the core of the standard
- Revision of *Blueprint Reading* subject area by removing BPR 121, DFT 119, and MAC 132
- Revision of *CNC* (computer numerical control) subject area by removing MAC 126, MAC 222, MAC 224, MAC 226, and MAC 229 and by adding MEC 110
- Removal of MAC 113 (Machining Technology III)
- Addition of MAC 141 (Machining Applications I) and MAC 142 (Machining Applications II)
- Addition of the following course prefixes to Other Major Hours: ALT (Alternative Energy Technology), ASM (Aerostructure Manufacturing and Repair), AUT (Automotive), DDF (Design Drafting), and SST (Sustainability Technologies)

The proposed revisions create a flexible machining curriculum program standard that allows students multiple entry and exit points at a variety of skill and experience levels.

The revised program title Computer-Integrated Machining is a term popularly used in modern machining facilities and is closely associated to Computer-Integrated Manufacturing. It refers to the integration of computers in modern machining processes. The revised curriculum description reflects this concept. Newly created machining courses with competencies directly aligned with national machining certifications have been included in the core of the standard.

Thirty-one colleges are approved to offer this program. The voting results follow:

21	colleges recommended the revision
1	college did not recommend the revision
1	college declined to vote
8	colleges did not respond

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