CURRICULUM COMMITTEE COURSE ADDITION FORM
2009-2010

DATE: March 4, 2010
DEPARTMENT CHAIR: Joe Livingston
DEPARTMENT: Technology Education
DISCIPLINE WHERE COURSE RESIDES: MCHN
(CHECK ALL THAT APPLY)
☑ ADD A NEW COURSE TO THE COURSE INVENTORY
☑ ADD A NEW COURSE TO THE CATALOG
(Attach Course Syllabus and Learning Outcomes)

<table>
<thead>
<tr>
<th>Course Title:</th>
<th>Advanced Lathe Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Prefix:</td>
<td>MCHN</td>
</tr>
<tr>
<td>Course Number:</td>
<td>2333</td>
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</table>

Course Description:
A study of advanced lathe operations. Identify and use of special cutting tools and support tooling such as, form tools, carbide inserts, taper attachments, follower and steady rest. Close tolerance machining required.

Course Prerequisites: None

<table>
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<th>Course REM Levels:</th>
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<td>Lecture Hours:</td>
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<td>Lab Hours:</td>
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<td>Other Type Hours:</td>
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<td>Total Contact Hours:</td>
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Core Course: ☐ Yes ☑ No
If yes, date approved by Core Curriculum Committee:

Program(s) this course will support:
AAS Industrial Machining Applied Technology and Certificate: Machine Shop Operator
Replaced by course:
MCHN 2341

Will this course require special equipment? ☑ Yes ☐ No
If yes, explain and address availability or need to purchase special equipment.

For Registrar's Office Processing:
CIP Code Number Lab Fees Insurance Other Fees

Signature Indicates Approval:
Department Chair: [Signature] Date: 3/6/10
Dean: [Signature] Date: 3/24/10
Curriculum Committee Approval: ☑ Yes ☐ No Date: __________
Curriculum Committee Chair: ____________ Date: ____________
Vice President of Instruction: ____________ Date: ____________

Distribution of Copies by the Office of the Vice President of Instruction:
(Original remains in the Office of the Vice President of Instruction.)
☐ Curriculum Committee Website ☐ Division Dean ☐ Financial Aid Director
☐ Registrar ☐ Department Chair
### WECM Course

#### Advanced Lathe Operations

<table>
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<th>Status</th>
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<td>2333</td>
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<td>Active</td>
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**Course Level:** Advanced

**Course Description:** A study of advanced lathe operations. Identify and use of special cutting tools and support tooling, such as, form tools, carbide inserts, taper attachments, follower and steady rest. Close tolerance machining required.

**End-of-Course Outcomes:** Identify and apply special lathe tooling; list machine and work setup procedures; list and explain machining operation procedures; calculate speeds and feeds; perform advanced setups utilizing support tooling; and perform advanced machining operations to specifications.

**Lab Recommended**

**Cross Reference(s):** MCHN 2033: Advanced Lathe Operations

**CIP Code Description:** 48.0501 (Machine Tool Technology/Machinist)

**Year:** 2007