# Iowa Department of Education5-12 Industrial Technology Endorsement Worksheet

**Endorsement 140: 5-12 Industrial Technology.**

**Completion of 24 semester hours in industrial technology to include coursework in the areas listed below. Coursework is required in each area including at least 6 semester hours in three different areas.**

Manufacturing

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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|  |  |  |  |  |

Construction

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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Energy and power

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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Graphic communications

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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Transportation

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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**Content methods courses that cover the specific endorsement area and grade levels are required in addition to the content coursework and credits listed above.**

Methods of teaching secondary industrial technology

| **Course #** | **Course Title** | **Institution** | **Semester Hours** | **Year Completed** |
| --- | --- | --- | --- | --- |
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|  |  |  |  |  |

21.3(1) Adding an endorsement. To add an endorsement to an existing license, the applicant will follow one of these options:

a. Option 1. Receive the Iowa education institution’s recommendation that the current approved program requirements or state minimum requirements for the endorsement have been met.

b. Option 2. Apply for a review of transcripts, out-of-state licensure, or approved assessment score reports by the board of educational examiners’ staff to determine whether Iowa requirements have been met. Applicants will have achieved a C- grade or higher in the courses that will be considered for an endorsement. The methods course can be waived if the practitioner holds an endorsement in the same content area at a different level and teaches in the new content area successfully while holding a Class B license.