

**The Ferrous Metallurgy Education Today [FeMET] Curriculum Development Program**  
(a program of the FeMET Initiative)

**CURRICULUM DEVELOPMENT PROPOSAL INSTRUCTIONS: 2015 ACADEMIC YEAR**

The purpose of the Ferrous Metallurgy Education Today (FeMET) Initiative to increase the number of students studying metallurgy and materials science in North America, and to increase the number of such students electing to pursue careers in the iron and steel industry upon graduation. The Curriculum Development Program is one component of the FeMET Initiative.

**Call for Proposals:** Proposals are being solicited from Professors of **ferrous metallurgy or materials science** at North American Universities for funding of a curriculum development assistant to enhance or update industry curriculum in ferrous metallurgy programs. The proposal should indicate how the professor would approach the task, including budget and schedule requirements. The maximum allowable time for a curriculum development grant is five years beginning in the fall of 2015. The number of awards granted depends on fund availability; the maximum grant per award will be US\$5,000 per year for five years for a total of US\$25,000.

**Objective and Terms:** The program objective is to utilize **undergraduate or graduate students** to assist in the editing and updating of textbooks and/or other course materials for use in ferrous metallurgy education. The Professors selected will have discretion in establishing the student duties as long as the steel industry's role or visibility in the Professor's course curriculum and/or other programs is enhanced. Individual student assistants should be involved for a maximum of two years and would be selected by the professor (or however the school dictates).

**Proposal Content:** Please follow the instructions carefully for submitting proposals. The information is also available on at [www.aistfoundation.org](http://www.aistfoundation.org). Applications should contain the following sections:

1. Schedule for curriculum development including a list of anticipated tasks and milestones.
2. Detailed plan of the work assigned to the Assistant, the number of students involved and their specific participation.
3. Curriculum Development Assistant selection process.
4. Estimated distribution of total curriculum development cost by year.
5. Past involvement with a steel plant and proposed direct student interaction with a steel plant.

**Evaluation Criteria:** It is the responsibility of the submitter to assure that sufficient information is contained in the proposal for reviewers to evaluate the proposal according to the following criteria:

1. Direct benefits to the ferrous metallurgy/materials science programs in North America. (35%)
2. The potential of the plan to increase the number of students studying metallurgy and materials science in North America. (25%)
3. The value to the steel industry. (20%)
4. The expertise and capabilities of the Professor to fulfill the program objective. (20%)

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**YOUR COMPLETED PROPOSAL SHOULD BE SUBMITTED ELECTRONICALLY IN PDF FORM  
TO LORI WHARREY ([lwharrey@aist.org](mailto:lwharrey@aist.org)) by 30 JUNE 2015.**

**AWARDEES WILL BE ANNOUNCED AUGUST 2015 FOR THE 2015-2016 ACADEMIC YEAR.**

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Questions about the curriculum development program and/or proposal process should be directed to Lori Wharrey at [lwharrey@aist.org](mailto:lwharrey@aist.org) or +1.724.814.3044.



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**CURRICULUM DEVELOPMENT PROPOSAL APPLICATION: 2015 ACADEMIC YEAR**

*(use additional sheets as needed)*

1. Name of Professor: Title:
2. Name of University: Department:
3. Address: Phone:  
E-mail:  
Date of Proposal:
4. Provide a planned schedule for curriculum development including a list of anticipated tasks and milestones:
5. Provide a detailed plan of the work to be assigned to the Assistant(s), the number of students involved and their specific participation:
6. Provide a plan for Assistant selection:
7. Provide estimated distribution of total curriculum development costs by year:
8. Provide a summary of the outcome and anticipated benefit/value to the steel industry:
9. Provide professor qualifications:
10. Provide information on any past involvement with a steel plant and proposed direct student interaction with a steel plant:

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Signature of Professor (Enter your name. Your e-mail will suffice as a signature)

Date

*It is the responsibility of the submitters to assure that sufficient information is contained in the proposal for reviewers to evaluate the proposal according to the evaluation criteria.*

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