

Project Information Sheet: MSE – ISU Student Senior Design Project

Company Name: _____

Company Contact: name, position, address, email, and phone:

Proposed Project Title: _____

Project Description (list key objectives and constraints, add pages as needed to detail the situation surrounding the project and the need for the project): _____

Desired Project Outcome: _____

Resources (other than financial) provided by Company (such as: samples, supplies, equipment, arranging for student visits to site, company personnel visiting ISU, regular availability of company contact to students group): _____

Specialized Resources needed for project (indicate any anticipated specialized resources needed for the student team such as testing equipment): _____

Suggested faculty mentor (indicate if any particular faculty member from MSE would be a suitable mentor, due to ongoing or past collaboration or domain expertise): _____

Requested Financial Commitment from Company.

- (i) The preferred course of action is for the company to make donation to the Iowa State Foundation in the amount of \$1,000.
- (ii) Alternatively, the company is asked to pay \$1,000 to be billed through Iowa State Accounts Receivable when Sponsor Acknowledge Form is agreed and signed. Any costs over \$1,000 would have to be approved first by the company via written documentation with Senior Design project team and Instructor. The amount over \$1,000 will be billed at the end of the semester.

Please circle your preference.

Please indicate any special concerns or other important information related to the project:

Indicate the Area(s) of student specialization most suited to the project (indicate all that apply)

Ceramics

Metals

Polymers

Industry Sponsor Guidance Sheet

Materials Engineering Capstone Design

Guide to design project success for Industrial Sponsors

- Projects need to be of real relevance to the company's interests, however not on the "critical path"
- Projects need a committed person within the company, the "industrial partner" who is a champion and who really wants to see the project make progress
- The "industrial partner" provides the motivation, overall objectives for the design project, esp. the criteria for success
- Projects should have a set of long-range objectives
- Projects require a set of clear short-range objectives that are achievable within a semester
- Projects have an "on campus" faculty mentor to monitor day-to-day activities (Mat E Dept will locate this mentor)

This is a two-semester course and is offered every semester. Students can start their senior design projects in the fall or spring semester.

Schedule for a fall start:

1. MatE 413 starts (August): Students are assigned a project by late-October.
2. The first progress report is due in early December at the end of the semester.
3. MatE 414 starts (January): A spring midterm report is due in early March.
4. Projects end with a final written and oral report during last week of April/first week of May. Written reports are delivered to you by Friday of Iowa State's finals week.

Schedule for a spring start:

1. MatE 413 starts (January): Students are assigned a project around mid-March.
2. The first progress report is due in May at the end of the semester.
3. Students will take the summer months off (May-August).
4. MatE 414 starts (August): A midterm report will be given in October.
5. Projects end with a final written and oral report during the last week of November/first week of December. Written reports will be delivered to you by Friday of Iowa State's finals week.

Please do not hesitate to contact me if you have any questions!

Thank you,

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