

IOWA STATE UNIVERSITY

College of Engineering - MSE

Master of Engineering in Materials Science and Engineering New Program Review

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Brief Summary of M.Eng. in MSE

- Traditionally a small program
 - Planning for steady enrollment of 10-15 students
 - We are considering a significant on-line component

	Projected Enrollment	Actual Enrollment
Fall 2011	3	0
Fall 2012	3	6
Fall 2013	4	7
Fall 2014	5	3
Fall 2015	6	11

Materials Science and Engineering

- We design new materials and study their structure, properties, processing and performance
- Spans all sectors of industry
- ISU is known for energy related materials



Master of Engineering in MSE

- Materials Science and Engineering
- One of 8 departments in the College of Engineering
- Traditionally a smaller program
- Master of Engineering (usually a terminal degree)
 - Self-supporting students
 - Increasing international demand
- Opportunity to convert to MS (thesis based) and/or PhD (with dissertation) for highly qualified candidates



What We Proposed

- Non-thesis Master Degree in Materials Science
- Suitable for students who:
 - Are seeking advanced knowledge in materials properties, processing, theory and characterization
 - Are currently employed – not practical to do thesis research



Current State of Program, Department

- No full-time faculty designated to program; students take classes alongside peers in other degree programs, resulting in little or no marginal costs
- A professional advisor has been assigned these students to help them navigate requirements
- Forging connections with industry partners
- 20 faculty across entire MSE department
- 70 *other* graduate students, 300 undergraduates
- MSE Grad program ranks 24th overall, 15th public
- Strong placement (graduate placement near 100%)
- Allow broader course offerings for all graduate students

Future Plans

- Continue to publicize the program in our regular graduate student recruiting and also to industry partners
- Stabilize the program at 10-15 students
- Develop more online offerings



Questions?