



BOARD OF REGENTS MOTION CONSIDERATION FORM

October 21, 2011

Open Session

I. Motion to be Considered:

Recommend approval of the addition of a new minor titled *Industrial and Engineering Technology Entrepreneurship*.

II. Background:

The Department of Industrial and Engineering Technology in the School of Polytechnic Studies and the Department of Management and Marketing in the Donald L. Harrison College of Business are proposing a new minor in Industrial and Engineering Technology Entrepreneurship.

There is increasing awareness that students graduating in industrial and engineering technology management would benefit from knowledge of entrepreneurial processes and strategies and the development of a more entrepreneurial mindset. This minor recognizes that many of our industrial management and engineering management graduates find themselves involved with technical or engineering start-up ventures or involved with growing existing industrial or engineering related firms through an ownership position in an existing small, developing company. It is also likely that some students from other academic programs who have particular interest in pursuing opportunities in a technical area will be attracted to this minor. Creation of the minor does not require new course development or additional resources, for example, operating budgets, faculty.

This proposal has been routed through the standard University approval process and has been approved by the Department of Industrial and Engineering Technology, the Council of the School of Polytechnic Studies, and Academic Council.

Recommended By:

Student Government _____	Chairperson _____ X
Faculty Senate _____	Dean _____ X
Administrative Council _____	Academic Council _____ X
VP, Enroll. Man. & Stu. Suc. _____	Provost <u>Tom Routh</u>
VP, Finance & Admin. _____	President <u>[Signature]</u>
VP, University Advancement _____	

Board Action on: _____	Postpone: _____
Motion By: _____	Amend: _____
Second By: _____	Disapprove: _____
Vote: Yeas: _____ Nays: _____	Approve: _____
	Secretary: _____

PROPOSED MINOR

Departments of: Management and Marketing
Industrial and Engineering Technology

New: Spring 2011

Title of Minor: Industrial and Engineering Technology Entrepreneurship

Title of Degree: N/A

Goals and Objectives

1. Goals: To learn skills necessary to integrate entrepreneurship into industrial and engineering technology environments.
2. Objectives: To learn entrepreneurship practices and strategies as they apply to growing industrial and engineering businesses and new venture creation.
3. Competencies: Knowledge of skills to be achieved: Understand the process nature of entrepreneurship and entrepreneurial strategies and how they can be applied in technical/engineering settings, especially related to growing existing small businesses and business plans to launch new ventures.
4. Structure of the Minor: This 15 hour minor will be co-delivered by the Harrison College of Business and the School of Polytechnic Studies. The design is flexible to allow students and their advisors to design programs that meet specific student needs. The minor may be chosen by students studying industrial or engineering technology, but it may be of interest to students in other majors.

REQUIRED COURSES:

BA361: Principles of Entrepreneurship (3)
BA551: Managing and Growing a New Venture (3)
BA561: Business Planning for New Ventures (3)

PREREQUISITES:

45 hours
BA361
BA361

6 Hours from one of the following options:

Computer and Multimedia Graphics

GM180 Introduction to Technical Graphics (3)
GM200 Vector and Bitmap Graphics for Industry (3)

None
GM180

Construction Management and Design

CM315 Construction Contracts and Legal Issues (3)	CM126
CM410 Construction Project Administration (3)	CM315, 320, 330

Electrical and Controls

ET245 Logic Circuits (3)	ET160 or 162
ET366 Microcontrollers (3)	ET245 & MN260

Facilities Management and Sustainability

FM504 Facilities Management (3)	None
FM564 Sustainable Fac. Planning & Design (3)	FM544

Industrial and Safety Management

IM313 Facilities Planning (3)	IM315 or MN304
IM417 Manufacturing Resource Analysis (3)	IM311

Mechanical and Manufacturing

MN221 Solid Modeling & Rapid Prototyping (3)	MN120
MN304 Industrial Materials & Processes II (3)	MN203

Sustainability Energy Systems Management

ET426 Sustainable Energy Technology (3)	ET365
FM565 Building Energy Management (3)	ET365

Total Credit Hours: 15