

## **Proposal for Dual Degree Programs by Master of Business Administration and Master of Science in Sustainable Energy**

**Program Mission:** The purpose of the Dual Degree Program leading to degrees in both the Master of Business Administration (Applied Management Option) and Master of Science in Sustainable Energy is to provide an opportunity for candidates who seek to develop advanced knowledge and skills in leadership, management, and business functions and those who seek to complement that expertise with leadership and management in the energy industry an opportunity to pursue both areas of interest. The dual degree program is designed to meet the mission of each degree program.

**Admission Requirements:** To be eligible for degree candidacy in both programs, applicants must meet all of the requirements for admission to the Graduate School (see [“Admission to Degree and Certificate Programs”](#)).

- Admission to the Master of Business Administration: In addition to the published university graduate degree status requirements, applicants must meet all of the requirements for the Master of Business Administration established by the School of Business as outlined in the current Graduate Catalog.
- Admission the Master of Science in Sustainable Energy: In addition to the published university graduate degree status requirements, applicant must meet all of the admission requirements for the Master of Science in Sustainable Energy established by the Center for clean Energy Research and Education (CENCERE) as outlined in the current Graduate Catalog.

**Degree Audit:** The graduate plan of study is the EIU Degree Audit, which is generated automatically in the Degree Audit Reporting System (DARS) at the time of degree or certificate candidacy. Modifications of the standard EIU Degree Audit are submitted by the graduate coordinator to the certification officer in the Graduate School at the time modifications are approved. The Degree Audit serves as an unofficial summary of requirements for the program. Degree and certificate candidates are advised to review the comprehensive summary of the Degree Audit process specified on the “Requirements for All Degree and Certificate Candidates” section of the *Graduate Catalog*. Individual programs may require candidates to submit plans of study in addition to the Degree Audit; candidates should consult with the program Coordinator.

### **Degree Requirements**

Shared Coursework: The following courses may be applied to each degree program:

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|------------|---|---|
| • MBA 5680 | 3 | (Organizational Behavior & Group Dynamics)  |
| • MBA 5660 | 3 | (Operations Management)   |
| • MBA 5010 | 3 | (Accounting from a Management Perspective: applied to MS in Environmental Sustainability in lieu of MBA 5001) |
| • TEC 5143 | 3 | (Research in Technology; applied to MBA as one of two MBA Electives)  |

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Total Shared	12	
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MBA Applied Management Option Coursework: The following courses are required for the MBA:

• MBA 5000	3	(Strategic Management)
• MBA 5500	3	(Quantitative Modeling)
• MBA 5550	3	(Marketing Management)
• MBA 5640	3	(Financial Management)
• MBA 5670	3	(Management Information Systems)
• MBA 5900	3	(Management Simulation)
• MBA Elective	3	

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Total	21	
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CENERE Coursework: The following courses are required for the MS in Sustainable Energy

• BIO 5333	3	(Bio-energy and Bio-resources)
• CHM 5007	3	(Energy Chemistry)
• PHY 5233	3	(Energy and the Environment)
• TEC 5533	3	(Biomass Gasification)
• PLS 5843 or ECN 5411	3	(Topical Seminar)
• COM/ENG 5260	3	(Communication/Writing)
• CERE 5983	3	(Sustainability Practicum)
• CERE 5953	3	(Research in Sustainable Energy)

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Total	24	
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Total hours required in the MBA/CENERE Dual Degree Program

• Shared Courses	12
• MBA Courses	21
• CENERE Courses	24

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Total	57
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## APPROVALS

**Date approved by the School of Business Graduate Committee: October 16, 2013**

**Date approved by the college curriculum committee: October 21, 2013**

**Date approved by the Honors Council (*if this is an honors course*): N/A**

**Date approved by CAA: N/A**

**CGS:**

## Course Matrix for Dual Degree MBA and MS in Sustainable Energy

Master of Science in Sustainable Energy	Master of Business Administration: Applied Management Option
1. BIO 5333 Bioenergy and Bioresources (option for BIO and CHM majors)	
1. BIO 5203 Environmental Biology and Sustainability (option for non-BIO majors)	
2. CHM 5007 Energy Chemistry	
3. PHY 5233 Energy and the Environment	
4. TEC 5533 Biomass Gasification	
5. TEC 5103 Science and Technology of Leadership	1. MBA 5680 Organizational Behavior and Group Dynamics (Required)
5. MBA 5680 Organizational Behavior and Group Dynamics	
6. TEC 5133 Total Quality Systems	2. MBA 5660 Operations Management (Required)
6. MBA 5660 Operations Management	
7. MBA 5001 Business Operations in Sustainable Energy Facilities	3. MBA 5010 Accounting from a Management Perspective (Required)
8. PLS 5843 Seminar in Public Policy	
8. ECN 5411 Seminar in Natural Resources and Environmental Economics	
9. TEC 5143 Research in Technology	4. TEC 5143 Research in Technology (MBA Elective)
10. CMN/ENG 5260 Communication in Science and Technical Organizations	
11. CERE 5983 Sustainability Practicum	
12. CERE 5953 Sustainable Energy Research	
	Required MBA Coursework:  5. MBA 5000 Strategic Management 6. MBA 5500 Quantitative Modeling 7. MBA 5550 Marketing Management 8. MBA 5640 Financial Management 9. MBA 5670 Management of Information Systems 10. MBA 5900 Management Simulation 11. MBA Elective [3 credit], or as approved by the Coordinator, Graduate Business Studies (cannot be one of the MS Sustainable Energy listed classes)
Total: 36 Hours	Total: 33 Hours

Effective Spring 2014