THE UNIVERSITY OF TULSA **Collins College of Business** **BSBA DEGREE PROGRAM** **ENERGY MANAGEMENT 2010-2012**

NAME ST ID DATE

DATE	COURSES	HRS	GRADE	DATE	COURSES	HRS	GRADE
	Engl 1033 Exposition & Argumentation	3			**PE 1001 Intro to Petroleum Eng** **PE 1011 Application to Petroleum Eng**	2	
	Math 1093 Math with Applications *See advisor for appropriate math course placement.*	3			**Math 1103 Basic Calculus *** *Prerequisite: Math 1093*	3	
	MIS 1123 Bus Information Technology	3			**Block I Aesthetic Inquiry & Creative Exp.**	3	
	Foreign Language	4			**Foreign Language**	4	
	Block I Aesthetic Inquiry & Creative Exp.				**Chem 2024 Energy Tech for Future (Block III)**	4	
	Bus 1001 Collins College Orientation	1				-	
	Econ 2013 Macroeconomics (Block II) *	3			**Econ 2023 Microeconomics (Block II) ***	3	
	Acct 2113 Concepts in Acct Info. I *MIS 1123*	3			**Acct 2123 Concepts in Acct Info. II** *Acct 2113*	3	
	QM 2013 Statistics I * *Math 1093, MIS 1123*	3			**QM 2023 Statistics II *** *QM 2013*	3	
	GEOL 1014 Intro to Physical Geology (Block III)	4			**BL 2013 Legal Environment of Bus. *** *Sophomore Standing*	3	
	EMGT 2013 Practical Issues in Energy Mgt	3			**General Education Elective** *(Economics cannot count)*	3	
	Fin 3003 Business Finance *Junior Standing + completion of all shaded fresh/soph business core classes with a grade of C or better*	3			**Mktg 3003 Principles of Marketing** *Junior Standing + completion of all shaded fresh/soph business core classes with a grade of C or better*	3	
	Econ 3123 Environmental Econ (Block II) *Econ 2013, 2023*	3			**MIS 3003 Introduction to MIS** *Junior Standing + completion of all shaded fresh/soph business core classes with a grade of C or better*	3	
	Geol 3153 Sedimentary Rocks & Processes *Geol 1014*	3			**QM 3023 Operations Management** *Junior Standing + completion of all shaded fresh/ soph business core classes with a grade of C or better*	3	
	BL/EMGT 3013 Oil, Gas & Environmental Law *EMGT 2013 and BL 2013*	3			**BL 3023 Commercial Transactions** *BL 2013*	3	
	Acct 4163 Fin Reporting in Energy Industry + *Acct 2113, 2123*	3			**Fin 3083 Invest Anal. & Portfolio Mgt. I** *Fin 3003*	3	
	MGT 3003 Principles of Management *Junior Standing + completion of all shaded fresh/soph business core classes with a grade of C or better*	3			**Energy Related Track Elective**	3	
	Engl 3003 Writing for the Professions *Junior Standing + Engl 1033*	3			**Energy Related Track Elective**	3	
	Energy Related Track Elective	3			**Block II Historical & Social Interpretation** *(BUS 1013 cannot count.)*	3	
	LAW 5603 Advanced Oil & Gas Law OR **LAW 5753 Basic Oil & Gas Law**	3			**Geol 4063 Petroleum Geology** *Geol 1014, 3153*	3	
	Fin 3023 Financial Institutions & Markets I *Fin 3003*	3			**Mgt 4073 Strategic Management** *Senior Standing + Fin 3003, Mktg 3003, QM 3023, Mgt 3003, MIS 3003* ***(Should be taken final semester.)***	3	

11/15/07

All classes in the shaded boxes must be completed with a grade of C or better; check TU catalog for other requirements. Beginning and Intermediate level language courses have as a prerequisite a grade of C in the previous course or its equivalent, or departmental approval through placement.

* Students who earn an A or B in all marked courses may save up to 8 hours on work toward the TU MBA program.

+ Permission required from the Director of the Energy Management Program.

General Education Electives include all courses taught outside the College of Business; however, courses taught in the School of Nursing will count as General Education Electives.

Free Electives include all courses. Please see Undergraduate Bulletin for all graduation and coursework requirements.

Possible transfer credits, AP or IB credits marked above are not official until final transcripts are received and required grades or scores have been earned.

Refer to the following page for Midstream (commodity trading) and Upstream (exploration and production) Track option requirements.

OVERAGE:

NOTES:

ENERGY MANAGEMENT MAJOR

COURSE REQUIREMENTS

Required Block Courses:	**Prerequisites:**
GEOL 1014 Introduction to Physical Geology (Block III)	None
CHEM 2024 Energy Tech for the Future (Block III)	None
ECON 3123 Environmental Economics (Block II)	ECON 2013, 2023

Major Required Courses:	**Prerequisites:**
PE 1001 Introduction to Petroleum Engineering	None
PE 1011 Application to Petroleum Engineering	None
EMGT 2013 Practical Issues in Energy Management	None
BL/EMGT 3013 Oil, Gas, and Environmental Law	EMGT 2013 and BL 2013
GEOL 3153 Sedimentary Rocks and Processes	GEOL 1014
BL 3023 Commercial Transactions	BL 2013
ACCT 4163 Financial Reporting in the Energy Industry +	ACCT 2123
FIN 3083 Investment Analysis and Portfolio Management I	FIN 3003
FIN 3023 Financial Institutions and Markets I	FIN 3003
LAW 5603 Advanced Oil and Gas Law **OR** LAW 5753 Basic Oil and Gas Law	Permission from EM Director
GEOL 4063 Petroleum Geology	GEOL 1014, 3153

Students majoring in Energy Management must complete the requirements of either the **Midstream Track** (commodity trading) or **Upstream Track** (exploration and production) by selecting from the following courses, which complete the nine hours of required Energy Related electives. Any exceptions must be approved by the Director of the Energy Management Program and the Assistant Dean for Undergraduate Programs.

Midstream Energy-Related Track Electives: **(Choose 9-10 hours from the following courses)**	**Prerequisites:**
EMGT 4013 Fundamentals in Energy Commodity Trading (S) *	EMGT 2013, FIN 3023
EMGT 4981-3 Energy-Related Internship (F, S & Su)	EMGT 2013
FIN 4013 Long-Term Financial Decisions (S)	FIN 3003
FIN 4033 Risk Management (S)	FIN 3023; Pre or Co requisite: FIN 3083
FIN 4063 International Business Finance (S)	FIN 3003
FIN 4113 Student Investment Fund (F & S)	FIN 3083, permission of instructor
PE 3003 Petroleum Economics & Evaluation	EMGT 2013, FIN 3023, FIN 3083 & permission of instructor

*** Required course for midstream track**

Upstream Energy-Related Track Electives: **(Choose 9-10 hours from the following courses)**	**Prerequisites:**
BL 4013 Real Property (F) *	BL 2013
EMGT 4981-3 Energy-Related Internship (F, S & Su)	EMGT 2013
EMGT 4013 Fundamentals in Energy Commodity Trading (S)	EMGT 2013, FIN 3023
LAW 5093 Regulated Industries Law	+ see permissions required below
LAW 5443 Environmental Law (F)	+ see permissions required below
LAW 5523 Native American Natural Resources Law (S)	+ see permissions required below
LAW 5603 Advanced Oil & Gas Law (S)	Permission of EMGT director
LAW 5723 International Environment Law	+ see permissions required below
LAW 5743 International Energy & Natural Resources Law (F & S)	+ see permissions required below
LAW 5753 Basic Oil & Gas Law (F)	Permission of EMGT director
LAW 5763 Natural Resources: Public Lands (F & S)	+ see permissions required below
MGT 4023 Negotiations and Management Skills (F & S)	MGT 3003
PE 3003 Petroleum Economics & Property Evaluation (F)	EMGT 2013, FIN 3023, 3083, permission of instructor

*** Required course for upstream track**

+ Permission required from course instructor and recommendation from LAW 5603 or LAW 5753 instructor

Fall semester (F), Spring semester (S), Summer (Su)