

# GEM GENERAL CERTIFICATE PATHWAYS

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This certificate provides professionals with the opportunity to broaden their understanding of the worldwide energy marketplace. Coursework and assignments are focused on the energy industry and provide practical skills and knowledge that can be applied immediately. Students take three courses to complete the certificate, all of which are 100% online, and can be rolled into the Master of Science degree.

**Within the graduate certificate, there are optional pathways that can be completed in specific energy areas.** They include:

## FINANCIAL ENERGY MANAGEMENT

This certificate pathway provides students with the opportunity to sharpen hard business skills in the areas of accounting and financial management. Coursework and assignments are focused 100% on the energy industry providing students with immediate applicability to current job responsibilities.

### COMPLETE THREE OF THE FOUR COURSES:

- GEMM 6100** GLOBAL ENERGY ECONOMICS
- GEMM 6500** MANAGERIAL ACCOUNTING IN THE GLOBAL MARKETS
- GEMM 6600** INTRODUCTION TO FINANCIAL MANAGEMENT IN THE GLOBAL ENERGY MARKET
- GEMM 6420** ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES

## RENEWABLE ENERGY LEADERSHIP

A deep dive into the fast-growing renewable energy sector. Gain the industry knowledge needed to become an impactful leader. Students in this pathway will study the commercialization of renewable energy projects, law, policy and regulatory environments that impact business decisions. In addition, courses provide an in-depth understanding of stakeholders, market-forces and geopolitical trends that impact the energy industry as whole.

### COMPLETE THREE OF THE FIVE COURSES:

- GEMM 6630** PROJECT DEVELOPMENT, MANAGEMENT AND LEADERSHIP IN RENEWABLE ENERGY
- GEMM 6420** ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES
- GEMM 6200** ENVIRONMENTAL, REGULATORY, LEGAL AND POLITICAL ENVIRONMENT IN THE ENERGY INDUSTRY
- GEMM 6000** 21ST CENTURY GLOBAL ENERGY ISSUES AND REALITIES
- GEMM 6600** INTRODUCTION TO FINANCIAL MANAGEMENT IN THE GLOBAL ENERGY MARKET

## ENERGY BUSINESS INNOVATIONS

Fostering innovation across business practices is essential for an energy company's survival and requires a strong understanding of the operating environments impacting its bottom-line. Students in this pathway will broaden their understanding of the market forces influencing energy companies' strategic growth as well as learn how to design and execute strategies that take innovation from an idea to tangible profits.

### COMPLETE THREE OF THE FIVE COURSES:

- GEMM 6000** 21ST CENTURY GLOBAL ENERGY ISSUES AND REALITIES
- GEMM 6300** TECHNICAL ASPECTS OF ENERGY SCIENCE
- GEMM 6630** PROJECT DEVELOPMENT, MANAGEMENT AND LEADERSHIP IN RENEWABLE ENERGY
- GEMM 6450** STRATEGIC MANAGEMENT FOR THE ENERGY INDUSTRY
- GEMM 6420** ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES

## LEADING IN AN ENERGY TRANSITION

Navigating the energy transition is uncharted waters for many energy companies and their leaders. It requires out-of-the-box thinking as well as a shift in mindset for the individual employee, from being an influencer to a change maker. Students in this pathway will gain first-hand knowledge of the geo-political, market, and regulatory trends that are fostering the energy transition as well as the leadership tools to help their organization build for the future.

### COMPLETE THREE OF THE FIVE COURSES:

- GEMM 6100** GLOBAL ENERGY ECONOMICS
- GEMM 6200** ENVIRONMENTAL, REGULATORY, LEGAL AND POLITICAL ENVIRONMENT IN THE ENERGY INDUSTRY
- GEMM 6420** ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES
- GEMM 6400** LEADERSHIP & DECISION MAKING IN THE GLOBAL ENERGY ENVIRONMENT
- GEMM 6600** INTRODUCTION TO FINANCIAL MANAGEMENT IN THE GLOBAL ENERGY MARKET

## PEOPLE PURPOSE AND ENERGY: ESG AND ENERGY

ESG may be hard to define, standardize or quantify, but one thing is for certain that all energy companies regardless of their fuel source needs to better understand and articulate it to communicate with their investors, teams, and employees. In this pathways people are part of that conversation along with, environmental policy, finances, and leadership. One thing is certain these topics drive better business.

### COMPLETE THREE OF THE FIVE COURSES:

- GEMM 6420** ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES
- GEMM 6410** HUMAN CAPITAL MANAGEMENT IN ENERGY
- GEMM 6400** LEADERSHIP & DECISION MAKING IN THE GLOBAL ENERGY ENVIRONMENT
- GEMM 6200** ENVIRONMENTAL, REGULATORY, LEGAL AND POLITICAL ENVIRONMENT IN THE ENERGY INDUSTRY
- GEMM 6600** INTRODUCTION TO FINANCIAL MANAGEMENT IN THE GLOBAL ENERGY MARKET