

**SCOPE AND SEQUENCE**

**ENERGY AND MINES**

INTRODUCTORY	INTERMEDIATE	ADVANCED	THEME
Overview of Alberta Geology ★ <i>ENM1010</i>	Managing Alberta's Resources <i>ENM2010</i>	Energy & the Environment <i>ENM3010</i>	Social and Cultural Perspectives
Nonrenewable Resources <i>ENM1020</i>	Conventional Oil/Gas 1 (Resource Exploration) <i>ENM2020</i>	Conventional Oil/Gas 2 (Recovery & Production) <i>ENM3020</i>	
Renewable Resources <i>ENM1050</i>	Oil Sands/Heavy Oil/Coal 1 (Resource Exploration) <i>ENM2030</i>	Oil Sands/Heavy Oil/Coal 2 (Recovery & Production) <i>ENM3030</i>	
Consumer Products & Services <i>ENM1060</i>	Metals/Nonmetals 1 (Resource Exploration) <i>ENM2040</i>	Metals/Nonmetals 2 (Recovery & Production) <i>ENM3040</i>	
Renewable Resources <i>ENM1050</i>	Renewable Energy Technology <i>ENM2050</i>	Sustainable Energy (The Power & Potential) <i>ENM3050</i>	
Consumer Products & Services <i>ENM1060</i>	Refining Hydrocarbons <i>ENM2060</i>	Petrochemicals <i>ENM3060</i>	
Consumer Products & Services <i>ENM1060</i>	Refining Rocks & Minerals <i>ENM2070</i>	Industrial Materials (Primary Manufacturing) <i>ENM3070</i>	
Consumer Products & Services <i>ENM1060</i>	Supply & Distribution <i>ENM2080</i>	Market Basics & Trends <i>ENM3080</i>	
Fundamentals of Recycling <i>ENM1090</i>	Energy Designs/Systems 1 (Basic Principles) <i>ENM2090</i>	Energy Designs/Systems 2 (Practical Applications) <i>ENM3090</i>	Management and Conservation
Conservation Challenge <i>ENM1100</i>	Environmental Safety <i>ENM2100</i>	Integrated Resource Management (Balancing Needs) <i>ENM3100</i>	

—— Prerequisite

- - - - Recommended sequence

★ Module provides a strong foundation for further learning in this strand.