



The Association of Professional
Engineers and Geoscientists of Alberta

**ENVIRONMENTAL ENGINEERING
COURSE EQUIVALENTS
2018 EDITION**

<i>University of Alberta</i>		<i>University of Calgary</i>	
18-ENV-A1 Civ E 221	Principles of Environmental Engineering Environmental Engineering Fundamentals	ENCI 481 OR ENEN 603	Environmental Engineering Principles of Environmental Engineering
18-ENV-A2 Env E 320 & Env E 421	Hydrology and Municipal Hydraulics Engineering Environmental Hydrology Municipal Systems	ENCI 402	Hydraulics
18-ENV-A3 Env E 434 & Civ E 681	Geotechnical and Hydrogeological Engineering Environmental Geotechnics Seepage and Drainage	ENCI 423 & GLGY 401	Geotechnical Engineering I Physical Hydrogeology
18-Env-A4 Env E 325 & Env E 324	Water and Wastewater Engineering Chemical and Physical Processes Biological Processes	ENCI 581	Environmental Engineering II
18-ENV-A5 Env E 423	Air Quality and Pollution Control Engineering Principles of Air Quality Management and Control	ENEN 641 OR ENCH 643	Air Pollution Control Engineering Air Pollution Control Engineering
18-ENV-A6 Env E 432	Solid Waste Engineering and Management Solid Waste Management	ENCI 749 OR ENEN 651	Environmental Aspects of Waste Disposal Systems Solid Waste Engineering
18-ENV-B1 Env E 302 & Env E 322	Environmental Assessment and Management Systems Environmental Impact Assessment Environmental Protection	ENSC 503 & ENEE 501	Environmental Impact Assessment Pollution Prevention and Control for Energy Industry
18-ENV-B2 Civ E 431	Water Resources Water Resources Engineering		<i>No Course Equivalent Offered</i>
18-ENV-B3 EAS 425	Containment Transport Contaminant Hydrogeology	ENEN 627 OR GLGY 505	Contaminant Transport Contaminant Hydrogeology
18-ENV-B4 CIV E 526	Site Assessment and Remediation Soil Remediation	ENEN 653	Contaminated Soil Remediation
18-ENV-B5	Industrial & Hazardous Waste Management No Course Equivalent	ENEN 655	Hazardous Waste and Contaminated Sites Management
18-ENV-B6	Agricultural Waste Management No Course Equivalent		No Course Equivalent (see below) ** The following course can be accepted (relevant for Alberta's oil & gas Sector Wastewater Issues for the Oil and Gas Industry

**ENEN 665

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18-ENV-B7 Environmental Sampling and Analysis
Civ E 620 Environmental Engineering Measurements I
&
Civ E 627 Environmental Engineering Measurements II

ENEN 621 Experimental Design and Error Analysis
&
ENEN 643 Air Pollutant Sampling and Characterization

18-ENV-B8 Instrumentation and Process Control
CHE 446 Process Dynamics and Control

ENCH 429 Process Dynamics and Control
OR
ENME 585 Control Systems

18-ENV-B9 Environmental Chemistry Microbiology
Env E 220 Environmental Chemistry for Engineering
&
Env E 324 Biological Processes

ENEN 603 Environmental Chemistry and Microbiology
OR
CHEM 321 Environmental Chemistry
&
CMMB 543 Environmental Microbiology

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