

#	Category	Code	Course Topic
1	MAT	001	Applied Welding Engineering (Technology, Metallurgy, NDE, and Codes)
2	MAT	002	Structural Welding Engineering (CSA W59.1/W59.2 and AWS D1.1/D1.2/D1.6)
3	MAT	003	Pressure Welding Engineering (ASME BPVC sec VIII/IX, ASME B31.1/B31.3, API 582, CSA Z662, etc.)
4	MAT	004	Materials Testing Report/Certificate (MTR/MTC): Reading, Understanding and Interpretation
5	MAT	005	Engineering Materials (Metals, Ceramics, Plastics, etc.)
6	MAT	006	Monitoring and Optimization of Materials Processing
7	MAT	007	Corrosion Mechanisms and Control in Oil and Gas
8	MAT	008	Understanding NACE MR0175 and MR0103
9	ENV	001	The Sustainability Basics
10	ENV	002	The Sustainability Measurements and Assessments
11	ENV	003	The Sustainability Solutions
12	ENV	004	The Sustainability Projects
13	ENV	005	Methane Reduction
14	MEC	001	Mechanical Engineering Basics
15	MEC	002	Material, Machines, Fuel and Power
16	MEC	003	Fan, Pump, Compressors and Turbines
17	MEC	004	Environment, Refrigeration, Optics and Cryogenic
18	MEC	005	Pumps: Mechanics, Types and Applications
19	MEC	006	TSASK: from Design to Operation
20	MEC	007	BCSA: from Design to Operation
21	MEC	008	ABSA: from Design to Operation
22	MEC	009	Robotic Process Automation (RPA)
23	MEC	010	Introduction to Computational Fluid Dynamics (CFD)
24	MEC	011	Industrial Fluid Mechanics
25	MEC	012	Applied Heat Transfer
26	MEC	013	Industrial Hydraulics (Fluid Power: Design, Application and Troubleshooting)
27	MEC	014	Electric Vehicles: Fundamentals, Design and Maintenance

#	Category	Code	Course Topic
28	PRC	001	Applied Process Engineering for non-process Engineers
29	PRC	002	P&ID: Reading, Understanding and Interpretation
30	PRC	003	Water Treatment in Oil Industry
31	PRC	004	Fundamentals of Pressure Safety Valves (PSV)
32	PRC	005	Practical Process Control: A P&ID Approach (Control, SIS, PSD)
33	RES	001	Overview of Pure-Solvent and Steam-Solvent Analysis and Design for Thermal In-Situ Operations
34	RES	002	Flow-Control-Devices for Thermal Recovery Operations
35	RES	003	Overview of SAGD Analytical Models and Their Assumptions and Limitations
36	RES	004	Thermal-Hydraulics Design and Optimization
37	RES	005	Geomodeling and Geostatistics
38	DAT	001	Introduction to Data Science and Application
39	DAT	002	Security Awareness
40	ARC	001	Introduction to Revit (BIM software is for architectural design)
41	ARC	002	Advanced Revit (BIM software is for architectural design)
42	ARC	003	Sketchup (3D modeling)
43	ARC	004	Adobe Suites Basics (Photoshop - Illustrator - InDesign) - hands on
44	MNG	001	Communications Intentions: Minimizing Conflict/ Maximizing Relationships
45	MNG	002	Stress Management
46	MNG	003	Communication and Appreciation Styles