



Training Courses Catalogue

English Version

General Department of Education in Yanbu

 **248** training courses

 **3** main sections

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General Department of Education in Yanbu Training Courses

237 courses

Mechanical

No.	Course Title	Duration	Target Group	Training Method
1	MCET - AW 101 – BASICS OF SHIELDED METAL ARC WELDING	TBA	Employees	In class / Online
2	Hydraulics Basics	TBA	Employees	In class / Online
3	Basics of Pneumatics	TBA	Employees	In class / Online
4	Refrigeration Circuit with Variable Load	TBA	Employees	In class / Online
5	Intro. to Machining	TBA	Employees	In class / Online
6	Intro. to CAD CAM	TBA	Employees	In class / Online
7	Bearing Failure Analysis	TBA	Employees	In class / Online

Computer Engineering

No.	Course Title	Duration	Target Group	Training Method
1	Computer crashes and fix it	TBA	Public Community	In class / Online
2	Computer skills for career Development	TBA	Public Community	In class / Online
3	Computer network	TBA	Public Community	In class / Online
4	Database Oracle (11G)	TBA	Public Community	In class / Online
5	Programming Language "C++"	TBA	Public Community	In class / Online
6	Programming language Java	TBA	Public Community	In class / Online
7	Internet programming language (PHP)	TBA	Public Community	In class / Online
8	Computer Network for beginners	TBA	Public Community	In class / Online
9	Programming Language Visual Basics	TBA	Public Community	In class / Online
10	Cambridge International Certificate for Computer Skill	TBA	Public Community	In class / Online

Management

No.	Course Title	Duration	Target Group	Training Method
1	Managing firewalls course	TBA	Public Community	In class / Online
2	Marketing	TBA	Public Community	In class / Online
3	Sales Management	TBA	Public Community	In class / Online
4	HR Management	TBA	Public Community	In class / Online
5	Financial Management	TBA	Public Community	In class / Online
6	Safety and Security	TBA	Public Community	In class / Online
7	Business accounting for non accounting managers	TBA	Public Community	In class / Online
8	Effective credit management	TBA	Public Community	In class / Online
9	Business finance for non financial people	TBA	Public Community	In class / Online
10	Finance at work	TBA	Public Community	In class / Online
11	Managing budget and cash flows	TBA	Public Community	In class / Online
12	How to invest profitably	TBA	Public Community	In class / Online
13	Effective communication at work	TBA	Public Community	In class / Online
14	Managing meetings	TBA	Public Community	In class / Online
15	How to make effective presentation	TBA	Public Community	In class / Online
16	Working in an office effectively	TBA	Public Community	In class / Online
17	Introduction to MS office	TBA	Public Community	In class / Online
18	Excel for beginners	TBA	Public Community	In class / Online
19	Windows and Word for beginners	TBA	Public Community	In class / Online
20	The mechanics of Budgeting	TBA	Public Community	In class / Online
21	MYOB computerized accounting	TBA	Public Community	In class / Online
22	Entrepreneurship	TBA	Public Community	In class / Online
23	Front office management in hotel industry	TBA	Public Community	In class / Online
24	Office secretary	TBA	Public Community	In class / Online
25	Basic business accounting	TBA	Public Community	In class / Online
26	Effective team building	TBA	Public Community	In class / Online

No.	Course Title	Duration	Target Group	Training Method
27	PMP Preparatory course	TBA	Public Community	In class / Online
28	Project management for non project management professionals	TBA	Public Community	In class / Online
29	Basic spreadsheet using MS-Excel	TBA	Public Community	In class / Online
30	Presentation skills using MS-PowerPoint	TBA	Public Community	In class / Online
31	How to write research paper for international journal publications	TBA	Public Community	In class / Online
32	Disaster management	TBA	Public Community	In class / Online
33	Environment management	TBA	Public Community	In class / Online
34	Government finance	TBA	Public Community	In class / Online
35	Time Management	TBA	Public Community	In class / Online
36	Certified public accountant (CAP) preparation course	TBA	Public Community	In class / Online
37	Certified management accountant (CMA) preparation course	TBA	Public Community	In class / Online
38	Certified internal auditor (CIA) preparation course	TBA	Public Community	In class / Online
39	Diploma in international financial reporting (Dip IFR) course	TBA	Public Community	In class / Online
40	Chartered financial analyst (CFA) course	TBA	Public Community	In class / Online
41	Certified treasury professional (CTP) course	TBA	Public Community	In class / Online

English Language Institute

No.	Course Title	Duration	Target Group	Training Method
1	Speaking Skills	TBA	Public Community	In class / Online
2	IELTS Preparation Course	TBA	Public Community	In class / Online
3	Preparation Course for Qudorat/Math General Skills (Arabic)	TBA	Public Community	In class / Online
4	TOEFL Preparation Course	TBA	Public Community	In class / Online
5	English for beginners	TBA	Public Community	In class / Online
6	Effective Workplace Communication	TBA	Public Community	In class / Online
7	Preparation Course for Qudorat/Math General Skills (English)	TBA	Public Community	In class / Online
8	English for Housewives (Female)	TBA	Public Community	In class / Online
9	Arabic for medical non-Arabic speaking employees	TBA	Public Community	In class / Online

No.	Course Title	Duration	Target Group	Training Method
10	English for Nursing and Medical Staff	TBA	Public Community	In class / Online
11	English for High School Students (male and female)	TBA	Public Community	In class / Online
12	Advanced English course	TBA	Public Community	In class / Online
13	Effective CV writing	TBA	Public Community	In class / Online
14	Make your writing flow	TBA	Public Community	In class / Online

CMET

No.	Course Title	Duration	Target Group	Training Method
1	Produced Water Treatment & Management	TBA	Employees	In class / Online
2	Process Control - Basic	TBA	Employees	In class / Online
3	Process Control - Intermediate	TBA	Employees	In class / Online
4	Process Control - Advance	TBA	Employees	In class / Online
5	Basic Distillation (Operation)	TBA	Employees	In class / Online
6	Environment in Desalination & Power Plant	TBA	Employees	In class / Online
7	Thermal Desalination Technology	TBA	Employees	In class / Online
8	Heat Transfer & Exchanger - Basic	TBA	Employees	In class / Online
9	Heat Transfer & Exchanger - Intermediate	TBA	Employees	In class / Online
10	Heat Transfer & Exchanger - Advance	TBA	Employees	In class / Online
11	Demineralized Water Treatment Plant Operation	TBA	Employees	In class / Online
12	Plant Fuel Supply System Operation	TBA	Employees	In class / Online
13	Mat Lab for chemical Engineering	TBA	Employees	In class / Online
14	Polymer Technology: The technology of versatile materials	TBA	Employees	In class / Online
15	HYSYS, Chemical Engineering Simulation	TBA	Employees	In class / Online
16	Energy recovery Via Heat Integration	TBA	Employees	In class / Online
17	Introduction to Chemical	TBA	Employees	In class / Online
18	Applied Organic chemistry	TBA	Employees	In class / Online

ELET

No.	Course Title	Duration	Target Group	Training Method
1	Power Flow Analysis	TBA	Employees	In class / Online
2	Electrical Distribution Systems(Maintenance & Operation)	TBA	Employees	In class / Online
3	Industrial Instrumentation & Modern Control Systems	TBA	Employees	In class / Online
4	Load Management & Power Factor Correction in Electrical Power System Elements	TBA	Employees	In class / Online
5	Energy Management Systems (EMS) for Power System Security	TBA	Employees	In class / Online
6	Calibration of Electrical & Electronic Measuring Instruments	TBA	Employees	In class / Online
7	Advanced System Grounding & Preventive Grounding	TBA	Employees	In class / Online
8	Renewable Energy Based Distributed Generation Systems	TBA	Employees	In class / Online
9	Electrical Power System Protection	TBA	Employees	In class / Online
10	Power Factor Testing	TBA	Employees	In class / Online
11	MAtlab / Simulink for scientists and engineers	TBA	Employees	In class / Online
12	Graphical user interface (GUI)	TBA	Employees	In class / Online
13	Electrical cables	TBA	Employees	In class / Online
14	Circuit Breakers, Power transformers and motors	TBA	Employees	In class / Online
15	Earthing of electrical network and equipment's	TBA	Employees	In class / Online
16	Electrical maintenance	TBA	Employees	In class / Online
17	Electrical Distribution network design and planning	TBA	Employees	In class / Online
18	Power electronics industrial applications	TBA	Employees	In class / Online
19	Hazards of electrical installations	TBA	Employees	In class / Online
20	Power systems protection	TBA	Employees	In class / Online
21	Industrial application of programmable logic controllers	TBA	Employees	In class / Online
22	Modern electric drives	TBA	Employees	In class / Online
23	Power systems harmonics	TBA	Employees	In class / Online
24	Renewable Energy	TBA	Employees	In class / Online
25	Pneumatic and electro-pneumatic control systems	TBA	Employees	In class / Online
26	Basic of electrical engineering	TBA	Employees	In class / Online

No.	Course Title	Duration	Target Group	Training Method
27	Fiber optic network	TBA	Employees	In class / Online
28	Troubleshooting fiber optic networks	TBA	Employees	In class / Online
29	Essential of electronics technology workshop	TBA	Employees	In class / Online
30	Securing and monitoring places of work and residence	TBA	Employees	In class / Online

Information Technology

No.	Course Title	Duration	Target Group	Training Method
1	Database application in the office course	TBA	Employees	In class / Online
2	Spreadsheet applications in the office course	TBA	Employees	In class / Online
3	Email and internet application in the office course	TBA	Employees	In class / Online
4	Presentations using computer course	TBA	Employees	In class / Online
5	Modern office technology course	TBA	Employees	In class / Online
6	Developing web pages in HTML course	TBA	Employees	In class / Online
7	Fundamentals of information security	TBA	Employees	In class / Online
8	Introduction to visual basic programming course	TBA	Employees	In class / Online
9	Basic of the UNIX course	TBA	Employees	In class / Online
10	Introduction to Java course	TBA	Employees	In class / Online
11	Managing Windows workstation course	TBA	Employees	In class / Online
12	Programming web applications using Java course	TBA	Employees	In class / Online
13	Developing web page using Java scripts course	TBA	Employees	In class / Online
14	Programming web application (ASO.NET) using visual basic course	TBA	Employees	In class / Online
15	Using XML in Developing internet application course	TBA	Employees	In class / Online
16	basics of computer networks course	TBA	Employees	In class / Online
17	Wireless networks course	TBA	Employees	In class / Online
18	Managing and Maintaining windows server course	TBA	Public Community	In class / Online

MECT

No.	Course Title	Duration	Target Group	Training Method
1	Basics of Hydraulics	TBA	Employees	In class / Online
2	Basics of Pneumatics	TBA	Employees	In class / Online
3	Bearing Failure Analysis	TBA	Employees	In class / Online
4	Heat Exchanger	TBA	Employees	In class / Online
5	AutoCAD	TBA	Employees	In class / Online
6	Basic machining process -Lathe	TBA	Employees	In class / Online
7	Intro. to Machining	TBA	Employees	In class / Online
8	Principles of refrigeration	TBA	Employees	In class / Online
9	Principles of Air conditioning	TBA	Employees	In class / Online
10	Basic machining process -Milling	TBA	Employees	In class / Online
11	Heat Exchangers	TBA	Employees	In class / Online
12	Basics of fluid power systems	TBA	Employees	In class / Online
13	Introduction to Materials Testing	TBA	Employees	In class / Online
14	Intro. to CAD CAM	TBA	Employees	In class / Online
15	Arc Welding	TBA	Employees	In class / Online

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General Department of Education in Yanbu Training Courses

Continued

CONDITION MONITORING

No.	Course Title	Duration	Target Group	Training Method
1	FIELD BALANCING	TBA	Employees	In class / Online
2	SHAFT ALIGNMENT	TBA	Employees	In class / Online
3	VIBRATION ANALYSIS	TBA	Employees	In class / Online

DRAFTING

No.	Course Title	Duration	Target Group	Training Method
1	TECHNICAL DRAWING INTERPRETATION	TBA	Employees	In class / Online

WELDING

No.	Course Title	Duration	Target Group	Training Method
1	WELDING TECHNOLOGY	TBA	Employees	In class / Online
2	WELDING & FABRICATION	TBA	Employees	In class / Online
3	ASME Sec IX [welding Qualification & procedure]	TBA	Employees	In class / Online

MECHANICAL MAINTENANCE

No.	Course Title	Duration	Target Group	Training Method
1	Basic Rigging & Lifting	TBA	Employees	In class / Online
2	Air Compressors , Troubleshooting and Repair	TBA	Employees	In class / Online
3	BEARING FAILURE ANALYSIS	TBA	Employees	In class / Online
4	COUPLING	TBA	Employees	In class / Online
5	BLOWERS and FANS	TBA	Employees	In class / Online

No.	Course Title	Duration	Target Group	Training Method
6	Pumps	TBA	Employees	In class / Online

NON- DESTRUCTIVE TESTING

No.	Course Title	Duration	Target Group	Training Method
1	Dye Liquid Penetrant Test-Level I	TBA	Employees	In class / Online
2	Eddy Current Testing -Level I	TBA	Employees	In class / Online
3	MAGNETIC PARTICLE TESTING -LEVEL I	TBA	Employees	In class / Online
4	VISUAL AND OPTICAL TESTING -LEVEL I	TBA	Employees	In class / Online

SAFETY

No.	Course Title	Duration	Target Group	Training Method
1	BASICS OF PROCESS SAFETY MANAGEMENT (PSM)	TBA	Employees	In class / Online
2	SAFETY, HEALTH, ENVIRONMENT AND QUALITY (SHEQ) AWARENESS	TBA	Employees	In class / Online
3	SAFETY TRAINING FOR SUPERVISORS	TBA	Employees	In class / Online
4	FIRE SAFETY AWARENESS	TBA	Employees	In class / Online
5	DEFENCIVE DRIVING	TBA	Employees	In class / Online

PIPE FITTING

No.	Course Title	Duration	Target Group	Training Method
1	STRAINERS AND FILTERS	TBA	Employees	In class / Online
2	VALVES: TROUBLESHOOTING AND REPAIR	TBA	Employees	In class / Online
3	PIPING & FLANGE REMOVAL / NSTALLATION	TBA	Employees	In class / Online

FLUID

No.	Course Title	Duration	Target Group	Training Method
1	INDUSTRIAL HYDRAULIC SYSTEMS	TBA	Employees	In class / Online

THERMAL

No.	Course Title	Duration	Target Group	Training Method
1	GAS TURBINE TECHNOLOGY	TBA	Employees	In class / Online
2	HEAT EXCHANGERS	TBA	Employees	In class / Online
3	POWER GENERATION TECHNOLOGY	TBA	Employees	In class / Online
4	Condensers and Cooling towers	TBA	Employees	In class / Online

MACHINING

No.	Course Title	Duration	Target Group	Training Method
1	CNC PROGRAMMING & TURNING OPERATION	TBA	Employees	In class / Online
2	CNC ENGRAVING	TBA	Employees	In class / Online

HEAVY EQUIPMENT

No.	Course Title	Duration	Target Group	Training Method
1	FORKLIFT AND CRANE OPERATION	TBA	Employees	In class / Online

PROCESS OPERATION

No.	Course Title	Duration	Target Group	Training Method
1	MULTI EFFECT DESALINATION	TBA	Employees	In class / Online
2	REVERSE OSMOSIS	TBA	Employees	In class / Online
3	HEAT EXCHANGER OPERATION AND TROUBLE SHOOTING	TBA	Employees	In class / Online
4	HEAT RECOVERY STEAM GENERATOR	TBA	Employees	In class / Online
5	PROCESS EQUIPMENT	TBA	Employees	In class / Online
6	ENVIRONMENTAL POLLUTION	TBA	Employees	In class / Online
7	CATHODIC PROTECTION FOR PIPLINES	TBA	Employees	In class / Online

DCS SIMULATION

No.	Course Title	Duration	Target Group	Training Method
1	YOKOGAWA CENTUM CS3000 DCS	TBA	Employees	In class / Online
2	HONEYWELL TDC3000 DCS	TBA	Employees	In class / Online

INSTRUMENTATION

No.	Course Title	Duration	Target Group	Training Method
1	Basic Electronic Circuits	TBA	Employees	In class / Online
2	Advanced Electronics	TBA	Employees	In class / Online
3	LabVIEW Core 1	TBA	Employees	In class / Online
4	LabVIEW Core 2	TBA	Employees	In class / Online
5	Mechatronic Sensors	TBA	Employees	In class / Online
6	Fundamental of Data Acquisition With LabVIEW	TBA	Employees	In class / Online
7	PLC Hardware an wiring	TBA	Employees	In class / Online
8	Industrial PLC Baisics	TBA	Employees	In class / Online
9	Industrial PLC intermediate	TBA	Employees	In class / Online
10	Basic Instrument Calibration Training	TBA	Employees	In class / Online
11	Testing and Calibration of Industrial Instruments Training	TBA	Employees	In class / Online
12	Piping and Instrument Diagram	TBA	Employees	In class / Online

POWER

No.	Course Title	Duration	Target Group	Training Method
1	Electrical Drives	TBA	Employees	In class / Online
2	Basics of electrical technology	TBA	Employees	In class / Online
3	VFD	TBA	Employees	In class / Online
4	Electrical Hazards & safety	TBA	Employees	In class / Online
5	Electrical Wiring and Layout	TBA	Employees	In class / Online

No.	Course Title	Duration	Target Group	Training Method
6	Motor control advanced	TBA	Employees	In class / Online
7	Single phase & Three phase transformer	TBA	Employees	In class / Online
8	DC & AC Machines	TBA	Employees	In class / Online
9	Classical motor control	TBA	Employees	In class / Online

COMPUTER

No.	Course Title	Duration	Target Group	Training Method
1	MS Excel - Basic	TBA	Employees	In class / Online
2	MS Excel - Advanced	TBA	Employees	In class / Online
3	MS Word - Basic	TBA	Employees	In class / Online
4	MS Word - Advanced	TBA	Employees	In class / Online
5	MS PowerPoint	TBA	Employees	In class / Online
6	MS Outlook	TBA	Employees	In class / Online
7	MS Access	TBA	Employees	In class / Online
8	Data Analysis using Excel	TBA	Employees	In class / Online
9	Basic Networking Skills	TBA	Employees	In class / Online
10	IP Addressing & Subnetting	TBA	Employees	In class / Online
11	HCNA-HNTD Entry Level	TBA	Employees	In class / Online
12	HCNA-HNTD Intermediate Level	TBA	Employees	In class / Online

Rubber and Polymer

No.	Course Title	Duration	Target Group	Training Method
1	Introduction to Polymer Technology (Theory)	TBA	Employees	In class / Online
2	Introduction to Rubber Technology (Theory)	TBA	Employees	In class / Online
3	Rubber Compounding (Theory)	TBA	Employees	In class / Online
4	Rubber types and their applications (Theory)	TBA	Employees	In class / Online
5	Rubber Degradation Testing (Theory)	TBA	Employees	In class / Online

No.	Course Title	Duration	Target Group	Training Method
6	Rubber Physical & Mechanical Testing (Theory)	TBA	Employees	In class / Online
7	Rubber Processability Testing (Theory)	TBA	Employees	In class / Online
8	Rubber Thermal Properties (Theory)	TBA	Employees	In class / Online
9	Tire Technology (Theory)	TBA	Employees	In class / Online

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CWQAP Test Preparation Courses

5 courses

CWQAP training preparation for test

No.	Course Title	Duration	Target Group	Training Method
1	Metal Fabricator	15 HOURS	Aramco Contractor Employees	In class / Online
2	Metal Pipe Fitter	15 HOURS	Aramco Contractor Employees	In class / Online
3	Machinist	15 HOURS	Aramco Contractor Employees	In class / Online
4	Electrical	15 HOURS	Aramco Contractor Employees	In class / Online
5	HVAC	15 HOURS	Aramco Contractor Employees	In class / Online

3

Professional Trade Tests

6 courses

Takamul

No.	Course Title	Duration	Target Group	Training Method
1	carpenter	–	Contracting Company Technicians	In class / Online
2	painter	–	Contracting Company Technicians	In class / Online
3	plumber	–	Contracting Company Technicians	In class / Online
4	welder	–	Contracting Company Technicians	In class / Online
5	HVAC	–	Contracting Company Technicians	In class / Online
6	electrician	–	Contracting Company Technicians	In class / Online