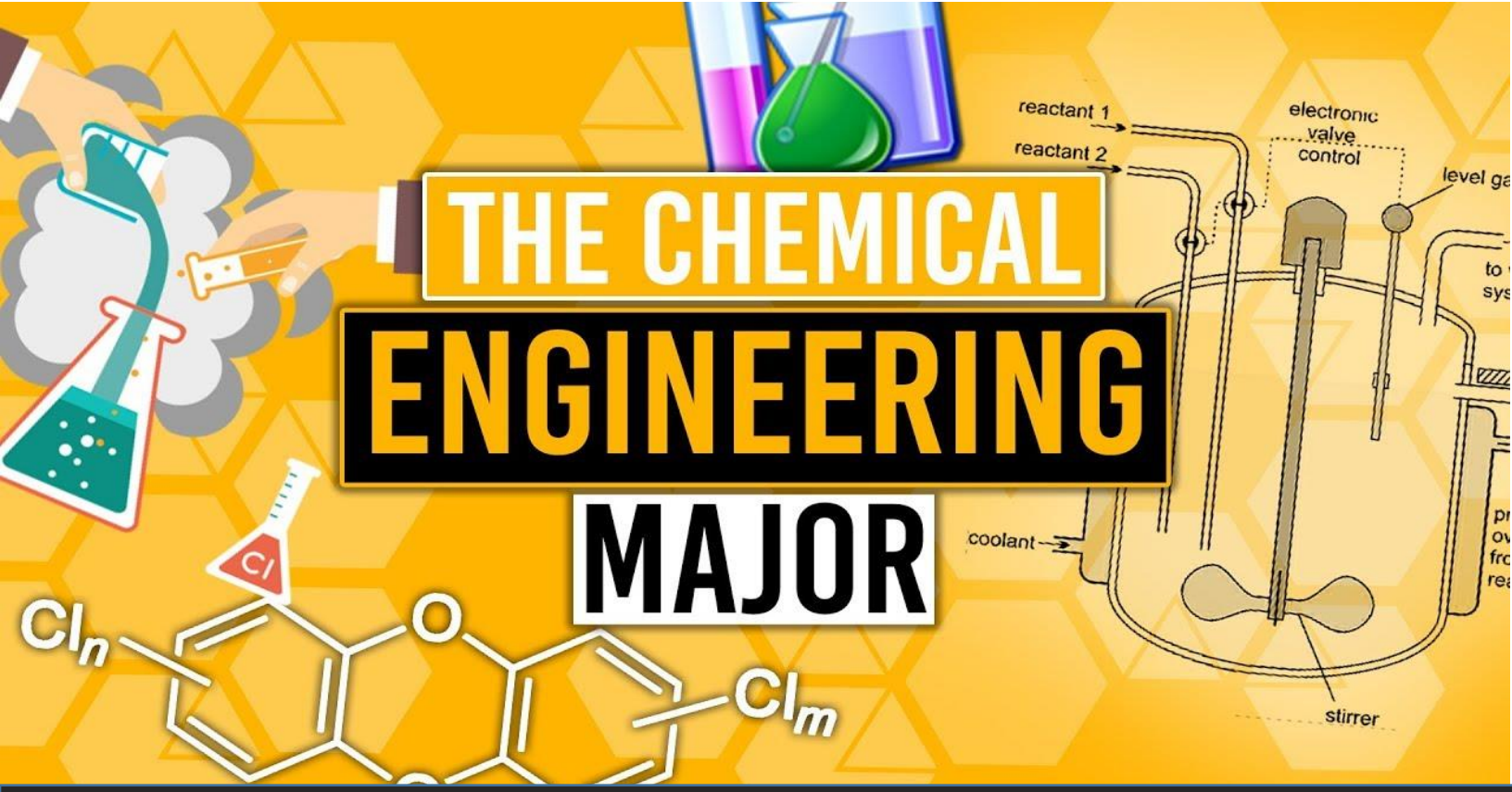

Oily Water Treatment Technology

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Training & Consultancy

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Water Treatment Method:

1. Biological Treatment
    1. Basics of Aerobic Treatment
    2. Basics of Anaerobic Treatment
    3. Types of Bacteria
    4. Microbial Growth
    5. Start up and Shutdown of Biological Treatment section
2. Normal Operation of entire Waste Water Treatment
    1. Effects of different types of Wastes from different sections of Refinery
    2. Effects of change in load / flow of effluent
3. Emergencies at Waste Water Treatment

1. Trouble shooting

2. Handling of different types of Sludge and Sludge Disposal (especially Oily Sludge)

3. Chemical dosage and its function

4. Function and Operation practice for API, DAF,Clarifier,Sandfilter and dehydration system

Who Should Attend?

Managers, engineers, chemists, and operators who need to understand water related problems inThis course is intended for **engineers, supervisory and technical staff** involved in the operation. of the plant, engineers in the oil, chemical and other process industries who require a wider and deeper appreciation troubleshooting and improve their performance and operation oil and gas production and their solutions

Course Objective:

YOU WILL LEARN

- The basics of oilfield water chemistry

- How to monitor and control corrosion, scale, and bacterial growth in produced water and water injection/disposal systems

- How to implement system surveillance programs to detect potential problems before system damage occurs

- About produced (oily) water treatment options and related treatment equipment
- How to use the knowledge gained to identify typical system problems and be able to propose solutions

Course Outline:

- Water chemistry fundamentals
- Water sampling and analysis
- Water formed scales
- Corrosion control
- Water treatment microbiology
- Produced water discharge/disposal and treatment principles
- Produced water treating equipment –theory of operation, advantages and disadvantages, and the importance of oil droplet size