

OJT LIST OF COMPETENCIES

Course Title: Work-Study Diploma in Chemical Process Technology

Note:

- From the given OJT List of Competencies (Standard), a company must identify at **least 75% of the competencies** that it can provide for training.
- If Company cannot provide at least 75% of the OJT List of Competencies (Standard), it can top up 25% (maximum) of company-specific competencies to form the Agreed OJT List of Competencies. Approval must be obtained from ITE before the company-specific competencies could be implemented.
- Trainees must successfully complete **at least 75% of the competencies in the Agreed OJT List of Competencies**.

S/N	List of Competencies (Standard)	Company to indicate '✓' it is able to provide
1.	Manage compliance with WSH system	
2.	Manage compliance with EMS guidelines	
3.	Handle hazardous materials	
4.	Perform quality assurance for manufacturing / production processes	
5.	Perform sampling and testing for quality control	
6.	Perform data analysis	
7.	Implement materials management procedure	
8.	Perform production equipment setup and troubleshooting	
9.	Produce biopharmaceutical products	
10.	Perform separation process units and utilities operations	
11.	Perform basic frontline maintenance	
12.	Perform maintenance activities for process equipment and work areas	
13.	Perform material transfer in process unit operation	
14.	Perform heat transfer in process unit operation	
15.	Perform physical quality testing	
16.	Perform chemical quality testing	
17.	Perform start-up operations	
18.	Perform monitoring and control operations	
19.	Perform shutdown operations	
20.	Operate digital tools	
21.	Operate fluid transfer equipment	
	Total No. of Competencies (Standard) that Company can provide	

S/N	Company-Specific Competencies	
1.		
2.		
3.		
4.		
5.		
	Total No. of Company-Specific Competencies Proposed	

Note: Competencies proposed by company must be endorsed by ITE.