

CERTIFIED QUALITY ENGINEER FOR AEROSPACE

Course Schedule

SINGAPORE QUALITY INSTITUTE

 Certified Quality Engineer for Aerospace - Intake 02
 CQEA02

 Initial Release of Course Schedule on 07Mar22 Mon
 Course Start on 16Aug22 Tue
 Course Schedule updated on 07Mar22 Mon
 P01

Intro Introduction to Certified Course

Introduction to Seletar Course						
Module & Chapter	Topics	Lecturer	Date	Hrs	Time	Venue
Intro	Introduction & Distribution of training materials	Chan Kee Ann	16Aug2022 Tue	2	7pm - 9pm	AAIS @ Seletar
	Communication Skills and Team Dynamics	Chan Kee Ann	18Aug2022 Thu	3	7pm - 10pm	
	Risk Management	Chan Kee Ann	20Aug2022 Sat	3	9am - 12nn	
Total Hours for Module>				8		

Module 1 Quality Practices & Applications

Module & Chapter	Topics	Lecturer	Date	Hrs	Time	Venue	
	Quality Systems & Standards	Jimson Ngiam	20Aug2022 Sat	3	1pm - 4pm	AAIS @ Seletar	
	AS 9100, 9110, 9120		23Aug2022 Tue	3	7pm - 10pm		
	National Aviation Authority Airworthiness Regulations		25Aug2022 Thu	3	7pm - 10pm		
			27Aug2022 Sat	3	9am - 12nn		
	Quality Audit		27Aug2022 Sat	3	1pm - 4pm		
			30Aug2022 Tue	3	7pm - 10pm		
	Product, Process & Material Control		01Sep2022 Thu	3	7pm - 10pm		
			03Sep2022 Sat	3	9am - 12nn		
			03Sep2022 Sat	3	1pm - 4pm		
	Lean Tools		06Sep2022 Tue	3	7pm - 10pm		
			08Sep2022 Thu	3	7pm - 10pm		
	Continuous Improvement Tools		10Sep2022 Sat	3	9am - 12nn		
			10Sep2022 Sat	3	1pm - 4pm		
	Cost of Quality		13Sep2022 Tue	3	7pm - 10pm		
			15Sep2022 Thu	3	7pm - 10pm		
	Quality Planning & Management		17Sep2022 Sat	3	9am - 12nn		
			17Sep2022 Sat	3	1pm - 4pm		
	Continous Improvement Methodogies		20Sep2022 Tue	3	7pm - 10pm		
			22Sep2022 Thu	3	7pm - 10pm		
	Supplier Quality Management						
Total Hours for Module>			57				

Module 2 Statistical Principles Application - Six Sigma

Module & Chapter	Topics	Lecturer	Date	Hrs	Time	Venue
	Statistical Quality Control - Terms and Concepts	Chan Kee Ann	24Sep2022 Sat	3	9am - 12nn	AAIS @ Seletar
	Distribution		24Sep2022 Sat	3	1pm - 4pm	
	Statistical Inference, Correlation and Regression Analysis		27Sep2022 Tue	3	7pm - 10pm	
			29Sep2022 Thu	3	7pm - 10pm	
			01Oct2022 Sat	3	9am - 12nn	
			01Oct2022 Sat	3	1pm - 4pm	
	Statistical Process Control	04Oct2022 Tue	3	7pm - 10pm		
		06Oct2022 Thu	3	7pm - 10pm		
		08Oct2022 Sat	3	9am - 12nn		
		08Oct2022 Sat	3	1pm - 4pm		
		11Oct2022 Tue	3	7pm - 10pm		
		13Oct2022 Thu	3	7pm - 10pm		
	Design of Experiments	15Oct2022 Sat	3	9am - 12nn		
		15Oct2022 Sat	3	1pm - 4pm		
		18Oct2022 Tue	3	7pm - 10pm		
		20Oct2022 Thu	3	7pm - 10pm		
		22Oct2022 Sat	3	9am - 12nn		
		22Oct2022 Sat	3	1pm - 4pm		
		25Oct2022 Tue	3	7pm - 10pm		
		27Oct2022 Thu	3	7pm - 10pm		
		29Oct2022 Sat	3	9am - 12nn		
Total Hours for Module>			63			

Module 3 Measurement Systems

Module & Chapter	Topics	Lecturer	Date	Hrs	Time	Venue
	Metrology - Traceability to Standards & Measurement Error	Johnson Tan	29Oct2022 Sat	3	1pm - 4pm	AAIS @ Seletar
	Repeatability and Reproducibility Studies		01Nov2022 Tue	3	7pm - 10pm	
	Calibration Systems & Control of Standard Integrity		03Nov2022 Thu	3	7pm - 10pm	
			05Nov2022 Sat	3	9am - 12nn	
	Destructive & Non-destructive Testing	Chan Kee Ann	05Nov2022 Sat	3	1pm - 4pm	
			08Nov2022 Tue	3	7pm - 10pm	
Total Hours for Module>				18		

Module 4 Practical Reliability & Product Safety Application

Module & Chapter	Topics	Lecturer	Date	Hrs	Time	Venue
	Basic Reliability Concepts	Timothy Yoap	10Nov2022 Thu	3	7pm - 10pm	AAIS @ Seletar
			12Nov2022 Sat	3	9am - 12nn	
	Product Design, Development & Production		12Nov2022 Sat	3	1pm - 4pm	
	Maintainability		15Nov2022 Tue	3	7pm - 10pm	
			17Nov2022 Thu	3	7pm - 10pm	
			19Nov2022 Sat	3	9am - 12nn	
			19Nov2022 Sat	3	1pm - 4pm	
	Product Safety (FMEA; FTA)					
Total Hours for Module>				21		
Total Hours for Course>				167		

Note: Information is correct at the time of print. Singapore Quality Institute / SQI International reserves the right to make changes whenever necessary.

Certification	Examination:	17Dec2022 Sat	5	10am - 330pm	AAIS @ Seletar
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