SKILLS*future* SG

Temasek
POLYTECHNIC

ENHANCED TRAINING SUPPORT PACKAGE

AEROSPACE

The Enhanced Training Support Package (ETSP) is part of the Stabilisation and Support Package for sectors affected by COVID-19. Under the ETSP, SkillsFuture Singapore (SSG) will provide companies in the Aerospace sector with time-limited enhanced training support to upgrade the capabilities of your workers.

Employer Benefits

If you are an employer in the Aerospace sector who sends your workers for selected sector-specific training programmes, you will receive:

• Enhanced Absentee Payroll (AP) support at 80% of hourly basic salary capped at $7.50 per hour

• Enhanced course fee support at 90% of course fees for Singapore Citizen and SPR

How does it work?

Step 1
Choose courses from the list

Step 2
Submit online application form

Step 3
Enjoy 90% funding and Absentee payroll support

Contact us

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ENHANCED TRAINING SUPPORT PACKAGE (Aerospace Sector)

Below is the list of SSG approved programmes for you to explore!

All courses are conducted face-to-face unless otherwise specified.

Apply Human Factors Principles | 3 Days more	**Course Dates** TBA	**Full Course Fee** $525 (excl GST)	APPLY NOW
Apply Principles of Aviation Legislation | 5 Days more	**Course Dates** TBA	**Full Course Fee** $875 (excl GST)	APPLY NOW
Basic Business Analytics @ Work | 1 Day more	**Course Dates** TBA	**Full Course Fee** $300 (excl GST)	APPLY NOW
Fundamentals of Cyber Security | 3 Days more	**Course Dates** TBA	**Full Course Fee** $600 (excl GST)	APPLY NOW
Introduction to Behavioural Insights | 2 Days more	**Course Dates** TBA	**Full Course Fee** $450 (excl GST)	APPLY NOW
Introduction to Data Science | 2 Days more	**Course Dates** TBA	**Full Course Fee** $450 (excl GST)	APPLY NOW
Maintain Sheet Metal Structures | 9 Days more	**Course Dates** TBA	**Full Course Fee** $2,400 (excl GST)	APPLY NOW
Perform Electrical Wiring Interconnection System (EWIS) Maintenance | 4 Days more	**Course Dates** TBA	**Full Course Fee** $840 (excl GST)	APPLY NOW
Robotic Process Automation (RPA) for Beginners | 2 Days more	**Course Dates** TBA	**Full Course Fee** $450 (excl GST)	APPLY NOW
Robotics & Automation 101 | 1 Day more	**Course Dates** TBA	**Full Course Fee** $300 (excl GST)	APPLY NOW
Understanding Cyber Risk Assessment and Management | 1 Day more	**Course Dates** TBA	**Full Course Fee** $300 (excl GST)	APPLY NOW

Course details

Apply Human Factors Principles | 3 Days
This SAR-66 Aligned M09 Syllabus course seeks to cover the many performance influencing human factors that can inhibit the maintenance personnel in various aspects of their work.

What you will learn

Learners will develop an understanding of the implications of human factors on safety standard and its effects on individual and organisational behaviours that could result in errors. The scope of coverage of the subject matter will also prepare learners for the CAAS SAR 66 CAT-A and CAT-B examinations.

Who Should Attend
Aircraft maintenance personnel who will be carrying out aircraft handling and maintenance work in both airframe and avionics trades, including aircraft, engine, and avionics systems, for commercial jetliners in both line, base maintenance and workshop environment.

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Apply Principles of Aviation Legislation | 5 Days

This course aims to equip the learners with ability to apply knowledge of aviation legislation and regulatory requirements in Maintenance, Repair and Overhaul (MRO) and/or SAR Part 21 certified products and articles and of design and production organisations.

What you will learn
The training covers the regulatory framework •SAR-21 Certificate of Products and of Design and Production organisations •SAR-39 Airworthiness Directive •SAR- 66 Certifying of Maintenance Staff •SAR-145 Approved Maintenance Organisation •SAR-147 Approval of Maintenance Training Organisation •Air Operator Certificate Requirements •Airworthiness Notices •Airworthiness Circulars •Minimum Equipment List/Master Minimum Equipment List •Dispatch Deviation List •Service Bulletins / Manufacturer Service Information •Modifications and Repairs and other CAAS subsidiary regulations. The scope of coverage will prepare learners for the CAAS SAR-66 basic knowledge examination paper for the subject module Aviation Legislation (M10) for both category B1 and B2.

Who Should Attend
Personnel working in MRO industry who will be carrying out maintenance planning, performing authorised signatories on works carried out for aircraft maintenance and quality control system under the Singapore Airworthiness Regulations requirements.

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Business Business Analytics @ Work | 1 Day

This course is a quick jumpstart to the basics of business analytics where you will learn the importance of analytics with hands-on experience in handling data, as well as creating interactive dashboards.

What you will learn
- What and Why of Analytics
- Skill set for Analytics
- Applications of Analytics
- Data Preparation (including hands-on exercises)
- Data Exploration (including hands-on exercises)
- Predictive Analytics (including demonstration of software tools)
- Prescriptive Analytics
- Introduction to text mining

Software Demonstrated
SAS – a leading analytics software used by Fortune 500 companies
Power BI – an easy-to-use Reporting tool that allows analysis of data via queries / drill-downs
The list is non-exhaustive and TP reserves the right to adjust the software showcased in the actual workshop.
Participants are encouraged to bring their own devices for the training, with at least Microsoft Excel installed.

Who should attend
This workshop is targeted at executives, managers and decision makers who would like to have a hands-on introduction to business analytics.

Fundamentals of Cyber Security | 3 Days

This course focuses on the fundamental principles of cybersecurity and lays the foundation for intermediate and advanced topics.

What you will learn
- Basic principles of cybersecurity
- Authentication, authorisation and accounting
- Types of controls
- Basic concepts of risk assessment and treatment
- Common types of risks and applicable controls

Who should attend
Individuals who are new to the subject of cybersecurity and possess minimal relevant IT knowledge. This course is for you if you are keen to learn more about cybersecurity as a complementary skill area to your current job role.

Introduction to Behavioural Insights | 2 Days

This course gives you a basic introduction to behavioural insights (BI), which is the application of behavioural sciences to influence and nudge human behaviours.

What you will learn
- Behavioural Insights: History and Case Studies
- Process Frameworks in Behavioural Insights
- Primer to Human Decision-Making Process
- Problem Identification & Prioritization in Behavioural Insights
- Defining a Behavioural Insights Problem Statement
- Fact Finding in Behavioural Insights
- Introduction to Behavioural Insights Solutions Framework
- Evaluation of Behavioural Insights Solutions
- Applying Behavioural Insights to Work Processes and Service Delivery

Who should attend
This course is designed for participants with little or no background in behavioural insights. It is catered for individuals who want to develop greater awareness on how to apply behavioural insights to improve policy design, work processes or service delivery in both public service and commercial organizations.

Introduction to Data Science | 2 Days

This course equips you with the fundamental knowledge and techniques needed in the emerging field of data science.

What you will learn

- Introduction to Data Science & Data Science Life Cycle
- Apply data science tools & techniques

<u>Who should attend</u>
Individuals who are new to the subject of data science and possess basic IT knowledge. This course is for those who are currently employed and keen to learn more about a data-driven approach to improve decision-making and operations, as well as to understand what is involved in a typical Data Science project.

Maintain Sheet Metal Structures | 9 Days
This course provides the learners with the basic knowledge and skills in maintaining aircraft sheet metal structures using appropriate tools, equipment, materials and processes.

<u>What you will learn</u>
- Perform minor surface corrosion treatment
- Repair minor sheet metal surface defects
- Fabricate sheet metal parts
- Install and remove structural fasteners

<u>Who Should Attend</u>
Aircraft technicians and mechanics who will be performing airframe structural inspection, damage assessment and repairs on commercial jetliners.

Perform Electrical Wiring Interconnection System (EWIS) Maintenance | 4 Days
This course covers identifying and correcting of wiring system degradation, incorporating the concept of zonal inspection as well as adopting of proactive maintenance practices. The scope of coverage of the subject matter will equip learners with technical competencies as referenced from EASA EWIS Training Programme (AMC 20-22).

<u>What you will learn</u>
- Identify criteria of inspection in accordance with standard practices
- Demonstrate the correct use of electrical instruments, tools and equipment
- Verify the serviceability of electrical wiring interconnection system
- Follow up to do corrective action on defective wires, wiring devices and terminations devices.

<u>Who Should Attend</u>
Aircraft maintenance personnel who will be performing inspections, troubleshooting and repairs on aircraft wiring and electrical systems.

Robotic Process Automation (RPA) for Beginners | 2 Days
This course is an introduction to Robotic Process Automation (RPA) and aims to give participants a glimpse into RPA. Participants will gain a fair understanding of RPA and how it can be used to automate computerized administrative tasks that are repetitive.

<u>What you will learn</u>
- Introduction to Robotic Process Automation (RPA)
- Applications of RPA
- Learn to build basic RPA bots

This course is ideal for anyone who wants to learn how to harness the power of RPA to improve productivity and deliver real business savings.

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Robotics & Automation 101 | 1 Day
This course prepares you for digital workplace transformation towards Industry 4.0 through insights to the integration of Robotics & Automation in manufacturing.

What you will learn
- i4.0 & Technology Enabler
- Singapore's Drive in Advanced Manufacturing
- Robotics & Automation Shaping the Future of Manufacturing
- Types of Robotics Systems & Specs
- Intro to & hands-on session with robots-teach pendent, controller & end-effectors
- Intro to & hands-on session for commonly used automation systems & components

Who should attend
Individuals who are interested in new technological solutions and processes in robotics and automation and how they can transform the manufacturing landscape.

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Understanding Cyber Risk Assessment and Management | 1 Day
This course introduces you to the basic concepts of risk assessment, management and treatment with hands-on exercise on performing basic risk assessments and management.

What you will learn
- What is risk management?
- Benefits of risk management
- Risk management lifecycle and its stages
- Risk assessment methodologies
- What are residual risks?
- Risk treatment techniques

Who should attend
Individuals who wants to introduce risk awareness into the corporate culture, implement risk assessment initiatives and incorporate risk management in the use of information technology within the organisation. Pre-requisite knowledge about risks or cybersecurity is not required.

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