

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Google Cloud Certified - Associate Cloud Engineer	Agility Pte. Ltd.	Identify the purpose and value of Google Cloud Platform products and services Consider the entire range of Google Cloud Platform technologies in their plans Distinguish between features of similar or related products and technologies Recognise a wide variety of solution domains, use cases, and applications Develop essential skills for managing and administering solutions Develop knowledge of solution patterns – methods, technologies, and designs that are used to implement security, scalability, high availability, and other desired qualities	<a href="https://www.imda.gov.sg/instalent/training-and-courses/Agility%20Google%202020-2020%20Associate%20Cloud%20Engineer">https://www.imda.gov.sg/instalent/training-and-courses/Agility%20Google%202020-2020%20Associate%20Cloud%20Engineer</a>	Training & Assessment	\$ 3,175	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Agility	8138 3664	<a href="mailto:enquiry@agility.sg">enquiry@agility.sg</a>	12/8/2020	31/12/2020
Google Cloud Certified - Cloud Developer	Agility Pte. Ltd.	At the end of the course, participants will be able to understand:  Best Practices for Application Development Google Cloud Client Libraries, Google Cloud SDK, and Google Firebase SDK Overview of Data Storage Options Best Practices for Using Google Cloud Datastore Performing Operations on Buckets and Objects Best Practices for Using Google Cloud Storage Handling Authentication and Authorization Using Google Cloud Pub/Sub to Integrate Components of Your Application Adding Intelligence to Your Application Using Google Cloud Functions for Event-Driven Processing Managing APIs with Google Cloud Endpoints Deploying an Application by Using Google Cloud Build, Google Cloud Container Registry, and Google Cloud Deployment Manager Execution Environments for Your Application Debugging, Monitoring, and Tuning Performance by Using Google Stackdriver	<a href="https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Cloud-Developer">https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Cloud-Developer</a>	Training & Assessment	\$ 3,275	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Agility	8138 3664	<a href="mailto:enquiry@agility.sg">enquiry@agility.sg</a>	12/8/2020	31/12/2020
Google Cloud Certified - Professional Cloud Architect	Agility Pte. Ltd.	At the end of the course, participants will be able to:  Identify the purpose and value of Google Cloud Platform products and services Consider the entire range of Google Cloud Platform technologies in their plans Distinguish between features of similar or related products and technologies Recognise a wide variety of solution domains, use cases, and applications Develop essential skills for managing and administering solutions Develop knowledge of solution patterns – methods, technologies, and designs that are used to implement security, scalability, high availability, and other desired qualities	<a href="https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Professional-Cloud-Architect">https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Professional-Cloud-Architect</a>	Training & Assessment	\$ 2,525	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Agility	8138 3664	<a href="mailto:enquiry@agility.sg">enquiry@agility.sg</a>	12/8/2020	31/12/2020
Google Cloud Certified - Professional Data Engineer	Agility Pte. Ltd.	At the end of the course, participants will be able to:  Select the appropriate storage technologies Design data pipelines Design a data processing solution Migrate data warehousing and data processing Build and operationalise storage systems Build and operationalise pipelines Build and operationalise processing infrastructure Leverage pre-built ML models as a service Deploy an ML pipeline Choose the appropriate training and serving infrastructure Measure, monitor, and troubleshoot machine learning models Design for security and compliance Ensure scalability and efficiency Ensure reliability and fidelity Ensure flexibility and portability	<a href="https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Professional-Data-Engineer">https://www.imda.gov.sg/instalent/training-and-courses/Agility-Google-Professional-Data-Engineer</a>	Training & Assessment	\$ 4,025	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Agility	8138 3664	<a href="mailto:enquiry@agility.sg">enquiry@agility.sg</a>	12/8/2020	31/12/2020
Associate Certificate in Business Architecture (Business Architecture training)	ATD Solution (S) Pte Ltd	Learning Outcome Participate in business requirement gathering sessions, document the requirements and communicate them to multiple groups associated with each project Document how the business is structured to support the technology portions of a business strategy Facilitate development and refinement of business strategies and goals Design and optimize strategies for maximizing growth, productivity and other strategic business intentions Within the scope of a given project, assist in the determination of functional capabilities, supporting applications, systems of involvement, and adverse or lateral impacts Balance the opportunities and risks associated with dynamic and uncertain changes in industry attractiveness and competitive position Set up and manage methods for evaluating complex investments especially in the technology space	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Business-Architecture-Training">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Business-Architecture-Training</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info.sg@atdsolution.com">info.sg@atdsolution.com</a>	12/8/2020	31/03/2021
Associate Certificate in Business Technology Strategy (Business Technology Strategy training)	ATD Solution (S) Pte Ltd	Learning Outcomes Participants will be equipped with the skills to: Analyze business structures and segments. Identify key internal and external business drivers for executive sponsors. Map out the values of Architecture and Technology Strategy to the Business. Prioritize investments and create P&L statements for a project. Create the taxonomy of frameworks and methodologies for use at the maturity level of an organization. Drive effective Knowledge Management and apply best practices in making enterprise strategic decisions. Create Stakeholder Communication Strategy, and to map and manage a successful Engagement Model for fostering strong and trusted relationships. With the above skills lets participants will realise the concepts and frameworks to: Align knowledge and communications across primary business units. Establish business models and views that cultivate technological values. Automate and integrate key business processes. Meet and exceed business targets using technology strategy.	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Business-Technology-Strategy">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Business-Technology-Strategy</a>	Training & Assessment	\$ 3,900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info.sg@atdsolution.com">info.sg@atdsolution.com</a>	12/8/2020	31/03/2021
Associate Certificate in Information Architecture (Information Architecture training)	ATD Solution (S) Pte Ltd	Learning Outcome Manage information-related resources including storage, retrieval, delivery, classification and utilization of information to maximise shareholder values and support technology strategies Develop technical solutions that conform to both customer requirements and information development standards Design, build and manage information landscape that would dovetail with business objectives Develop, out of information and database components and their relationships, information taxonomical and ontological schemas in the context of technology software and infrastructure Artfully and scientifically shape information products, services and experiences to support reusability and retrievability of data within the enterprise Deliver business impacts and values centering on storage, retrieval, usage, presentation and design of information Perform Data Modelling, Practical Techniques and Application, and Data Profiling Techniques	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Information-Architecture-Training">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Information-Architecture-Training</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info.sg@atdsolution.com">info.sg@atdsolution.com</a>	12/8/2020	31/03/2021
Associate Certificate in Infrastructure Architecture (Infrastructure Architecture training)	ATD Solution (S) Pte Ltd	Participants will acquire the knowledge and skills to: Participate in and recommend technology prioritization through the project implementation process Address infrastructure resiliability and services in addition to communicating infrastructure concepts to all levels of management Apply infrastructure quality attribute techniques to support enterprise business applications on a robust platform Design networks and network components, configuration and management requirements for both solutions and existing infrastructure Build out a physical or virtual server Design the physical data centre and remote access facilities of an organization Reduce expenditures related to power and cooling Understand the infrastructure required to support effective disaster recovery and backup/restore processes Understand the parameters, constraints, and design requirements for capacity within the environment including storage, network and operations capacity Know the common application services offered within the infrastructure and be able to convey this understanding to another architect	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Infrastructure-Architecture-Training">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Infrastructure-Architecture-Training</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info.sg@atdsolution.com">info.sg@atdsolution.com</a>	12/8/2020	31/03/2021

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Associate Certificate in Software Architecture (Software Architecture Training)	ATD Solution (S) Pte Ltd	Explore the software engineering and application development practices Reduce business risks associated with building technical solutions Address stakeholder requirements and satisfy both functional and quality requirements Address software quality attributes and communicate concepts to all levels of management Utilise software management trends and participate in governance mechanisms	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Software-Architecture-Training">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Software-Architecture-Training</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info-sg@atdsolution.com">info-sg@atdsolution.com</a>	12/8/2020	31/03/2021
Certificate of Fundamental Understanding in Aligning IT with Business (Business IT Architecture Fundamental Training)	ATD Solution (S) Pte Ltd	In 3 days you will get well-acquainted with all the important concepts of Business IT integration. Learn their jargon, then fit in and work effectively with Business and IT teams. Become savvy in Enterprise Architecture with the skill sets to: Perform IT Architecture Return on Investment (ITA-ROI) modeling on IT initiatives, which would allow stakeholders to identify, justify and convey positive technology values to the business. Maximize business values and profits and productivity with IT, and deliver strategic values to both business operations and stakeholders. Understand IT Architecture management structure and how it can be transformed into value-centric initiatives. Identify Business IT Architecture best practices that can be effectively adopted into current business practices. Match business needs and wants accurately using Business Requirement Architecture, a proven technique for both business and IT teams. Produce accurate Business Requirement artefacts for serving as a common communication platform for IT initiatives targeting multiple stakeholders from both business and IT teams.	<a href="https://www.imda.gov.sg/instalent/training-and-courses/atd-business-it-architecture-fundamental">https://www.imda.gov.sg/instalent/training-and-courses/atd-business-it-architecture-fundamental</a>	Training & Assessment	\$ 2,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info-sg@atdsolution.com">info-sg@atdsolution.com</a>	12/8/2020	31/03/2021
Certificate of Fundamental Understanding in Architecting Software Using Object Oriented Analysis & Design (Architecting Software with Object Oriented Analysis and Design Training)	ATD Solution (S) Pte Ltd	Upon completion of this course participants would: Gain a masterful insight into object-oriented software architecture and design fundamentals Master the best practices of UML modelling technology to specify the architecture for ICT Have an eye for identifying and avoiding pitfalls when architecting software Be able to architect software with OOAD techniques that would contribute towards enterprise agility, ease of maintenance, and flexibility against dynamic business demands Stand to advance software development projects with UML Software Modelling Techniques for much more accurate outcome with respect to improved quality attributes, robustness and on-time delivery Understand how to streamline the software development process for better planning and utilisation of resources, and higher customer satisfaction, competitive edge and return on investment (ROI)	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ATD-Architecting-Software-with-OOA-OT">https://www.imda.gov.sg/instalent/training-and-courses/ATD-Architecting-Software-with-OOA-OT</a>	Training & Assessment	\$ 2,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info-sg@atdsolution.com">info-sg@atdsolution.com</a>	12/8/2020	31/03/2021
ISA Foundation Certified	ATD Solution (S) Pte Ltd	Upon the completion of this course, participants will acquire the knowledge and skills to: Apply ITABOK skill sets to the creation of technology strategic values for the business with tangible IT Architecture return on investment (ITA-ROI) modelling technique Apply the five core IT architecture skills from an IT Architecture perspective Select and prioritise IT Architecture projects based on business cases Create and review business cases based on tangible and intangible values Assign projects to IT Architects based on IT prioritisation techniques Create IT Architecture blueprint for both generic and specific IT Architecture based on views and viewpoints that address stakeholder's concerns Manage IT Architecture deliverables through stakeholder's communication technique Manage IT Architecture life cycle processes	<a href="https://www.imda.gov.sg/instalent/training-and-courses/atd-isa-foundation-certified">https://www.imda.gov.sg/instalent/training-and-courses/atd-isa-foundation-certified</a>	Training & Assessment	\$ 3,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info-sg@atdsolution.com">info-sg@atdsolution.com</a>	12/8/2020	31/03/2021
TOGAF 9 Certified	ATD Solution (S) Pte Ltd	To understand and apply TOGAF® Architecture Development Method (ADM) phases in the development of an Enterprise Architecture journey To understand the importance of the role of IT Architecture Governance in the context of an Enterprise Architecture, and how that can help in tracking business metrics To understand the Architecture Building Block (ABB) and how the Solution Building Block (SBB) can be implemented and mapped according to the ABB To analyse the IT stakeholders and how to apply the appropriate Stakeholder Management Technique to ensure in getting the buy-in and support To apply TOGAF® Technical Reference Model and customise it to meet an organisation's needs To adapt and incorporate IT Security and Cloud/SDA into the TOGAF® framework To understand how to fit the technology/platform solutions into the TOGAF® framework	<a href="https://www.imda.gov.sg/instalent/training-and-courses/atd-togaf-9-certified">https://www.imda.gov.sg/instalent/training-and-courses/atd-togaf-9-certified</a>	Training & Assessment	\$ 4,180	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ATD Solution (S) Pte Ltd	6386 0331	<a href="mailto:info-sg@atdsolution.com">info-sg@atdsolution.com</a>	12/8/2020	31/03/2021
Squared Online Certificate in Digital Marketing	Avado Asia Pacific Pte Ltd	As a Squared Online graduate you'll be able to: Evaluate the changing digital landscape to propose ideas that help marketing functions respond to digital disruption Propose how your organisation can engage with targeted segments using customer-centric approaches to stay relevant in business Integrate technology into your customer-centric marketing strategies to reach your targeted segments at the right time Assess data with a single customer mindset to inform strategic decisions that grow your business Recommend transformational strategies that enable your organisation to leverage the latest technology developments in its marketing practices	<a href="https://www.imda.gov.sg/instalent/training-and-courses/avado-squared-online-certificate-in-dm">https://www.imda.gov.sg/instalent/training-and-courses/avado-squared-online-certificate-in-dm</a>	Training & Assessment	\$ 3,640	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avado Asia Pacific Pte Ltd	6876 7908	<a href="mailto:Marketing.APAC@avadoonline.com">Marketing.APAC@avadoonline.com</a>	12/8/2020	31/03/2021
Certified Ethical Hacker (CEH)	Avantus Training Pte Ltd	Key issues plaguing the information security world, incident management process, and penetration testing Various types of footprinting, footprinting tools, and countermeasures Network scanning techniques and scanning countermeasures Enumeration techniques and enumeration countermeasures System hacking methodology, steganography, steganalysis attacks, and covering tracks Different types of Trojans, Trojan analysis, and Trojan countermeasures Working of viruses, virus analysis, computer worms, malware analysis procedure, and countermeasures Social Engineering techniques, identity theft, and social engineering countermeasures Session hijacking techniques and countermeasures Different types of webserver attacks, attack methodology, and countermeasures Different types of web application attacks, web application hacking methodology, and countermeasures	<a href="https://www.imda.gov.sg/instalent/training-and-courses/avantus%20CEH%20FT">https://www.imda.gov.sg/instalent/training-and-courses/avantus%20CEH%20FT</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	30/12/2020
CompTIA A+	Avantus Training Pte Ltd	Support operating systems Install and configure PC system unit components and peripheral devices Install, configure, and troubleshoot display and multimedia devices Install, configure, and troubleshoot storage devices Install, configure, and troubleshoot internal system components Install, configure, and maintain operating systems Maintain and troubleshoot Microsoft Windows Explain network infrastructure concepts Configure and troubleshoot network connections Manage users, workstations, and shared resources Implement client virtualization and cloud computing Implement physical security Secure workstations and data Troubleshoot workstation security issues Support and troubleshoot laptops Support and troubleshoot mobile devices Install, configure, and troubleshoot print devices Implement operational procedures	<a href="https://www.imda.gov.sg/instalent/training-and-courses/avantus-comp-tia-a-ft">https://www.imda.gov.sg/instalent/training-and-courses/avantus-comp-tia-a-ft</a>	Training & Assessment	\$ 3,092	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
CompTIA Security+	Avantus Training Pte Ltd	Identify the fundamental components of information security Analyze risk Identify various threats to information security Conduct security assessments to detect vulnerabilities Implement security for hosts and software Implement security for networks Manage identity and access Implement cryptographic solutions in the organization Implement security at the operational level Address security incidents Ensure the continuity of business operations in the event of an incident	<a href="https://www.imda.gov.sg/instalent/training-and-courses/avantus%20compTIA%20Security%20FT">https://www.imda.gov.sg/instalent/training-and-courses/avantus%20compTIA%20Security%20FT</a>	Training & Assessment	\$ 2,958	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021

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Computer Hacking Forensic Investigator (CHF)	Avantus Training Pte Ltd	Perform incident response and forensics Perform electronic evidence collections Perform digital forensic acquisitions Perform bit-stream imaging/acquiring of the digital media seized during the process of investigation Examine and analyse text, graphics, multimedia, and digital images Conduct thorough examinations of computer hard disk drives, and other electronic data storage media Retrieve information and electronic data from computer hard drives and other data storage devices Follow strict data and evidence handling procedures Maintain audit trail (i.e., chain of custody) and evidence integrity Work on technical examination, analysis and reporting of computer-based evidence Prepare and maintain case files Utilize forensic tools and investigative methods to find electronic data, including Internet use history, word processing documents, images and other files	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus%20CHF%20PT">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus%20CHF%20PT</a>	Training & Assessment	\$ 2,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	30/12/2020
Microsoft Certified Solutions Associate (MCSA): Windows Server 2016	Avantus Training Pte Ltd	It is designed for professionals who will be responsible for managing storage and compute by using Windows Server 2016, and who need to understand the scenarios, requirements, and storage and compute options that are available and applicable to Windows Server 2016.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/MCSA-WindowsServer2016-PT">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/MCSA-WindowsServer2016-PT</a>	Training & Assessment	\$ 9,714	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
TCF-SP7: TIBCO Spotfire for Analysts Certification Exam	Avantus Training Pte Ltd	Recognize key analytics components: data, visualisations and interactions Differentiate between types of analytics Be introduced to TIBCO Spotfire features and components Able to explain data import options and formats Examine the visual analytics environment and build interactive visualisations Work with common visualisation types – bar charts, scatter plots and line charts Use expressions and calculated functions Configure custom hierarchies and hierarchy filters Use multiple data tables in visualisations Explore features and usage of Spotfire Web Client Examine Library Management, Sharing and Collaboration Setup Data Source and Information Links Examine Map Chart Visualisations Build Expressions using Expression Builder Explain OVER and THEN keywords in Expressions Describe Dynamic Text Area Items Explore Property and Action Controls Data Relationship Analysis and Predictive Modelling using Statistical Engines Use Multivariate Data Analysis Tools	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/TIBCO-Spotfire-FT">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/TIBCO-Spotfire-FT</a>	Training & Assessment	\$ 4,885	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
Veeam Certified Architect (VMCA)	Avantus Training Pte Ltd	Describe the core & optional components that make up the Veeam Backup & Replication architecture Describe the various deployment scenarios Configure all components of Veeam Backup & Replication products, including backup server, backup proxy and backup repository Create backup, backup copy, VM copy, file copy and replication job Discover the various recovery options available and how to utilise them Restore an entire VM, recover an individual file and application item from a backup file or replica to the most recent state Verification & validation of recoverability of your data from backups & every restore point created for each VM Perform tasks available for Veeam Agent for Microsoft Windows operating in the standalone mode Advanced options in Veeam Backup & Replication for data protection and improvement in RPO Describe the features and functionality of Veeam One Differentiate the features available in Standard, Enterprise & Enterprise Plus Identify and analyse issues	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/VMCA">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/VMCA</a>	Training & Assessment	\$ 7,648	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
Veeam Certified Engineer (VMCE)	Avantus Training Pte Ltd	Describe the core & optional components that make up the Veeam Backup & Replication architecture Describe the various deployment scenarios Learn how to configure all components of Veeam Backup & Replication products, including backup server, backup proxy and backup repository Learn how to create backup, backup copy, VM copy, file copy and replication jobs Discover the various recovery options available and how to utilise them Restore an entire VM, recover an individual file and application item from a backup file or replica to the most recent state Verification & validation of recoverability of your data from backups & every restore point created for each VM Perform tasks available for Veeam Agent for Microsoft Windows operating in the standalone mode Advanced options in Veeam Backup & Replication for data protection and improvement in RPO Describe the features and functionality of Veeam One Differentiate the features available in Standard, Enterprise & Enterprise Plus Identify and analyse issues	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/VMCE-FT">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/VMCE-FT</a>	Training & Assessment	\$ 4,443	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
VMware Certified Professional - Data Center Virtualization 2019	Avantus Training Pte Ltd	Describe the software-defined data center Explain the vSphere components and their function in the infrastructure Add ESXi hosts to a VMware vCenter / Server Appliance / instance Manage vCenter Server Appliance Use a local content library as an ISO store, and deploy a virtual machine Describe vCenter Server architecture Use vCenter Server to manage an ESXi host Configure and manage vSphere infrastructure with VMware Host Client and VMware vSphere / Client Describe virtual networks with vSphere standard switches Configure standard switch policies Use vCenter Server to manage various types of host storage: VMware vSphere / VMFS, NFS, iSCSI, and RDM Examine the features and functions of Fibre Channel and VMware vSAN Manage virtual machines, templates, clones, and snapshots Migrate virtual machines with VMware vSphere vMotion Migrate virtual machine storage with VMware vSphere Storage vMotion Monitor resource usage, and manage resource pools Discuss the VMware vSphere High Availability (vSphere HA) cluster architecture Configure vSphere HA Manage vSphere HA and VMware vSphere Fault Tolerance Use VMware vSphere Replication and VMware vSphere Data Protection to replicate virtual machines and perform data recovery Use VMware vSphere Distributed Resource Scheduler clusters to improve host scalability Use VMware vSphere Update Manager to apply patches and perform basic troubleshooting of ESXi hosts, virtual machines, and vCenter Server operations Identify troubleshooting methodology to logically diagnose faults and improve troubleshooting efficiency	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/DCV2019-PT">https://www.imda.gov.sg/infocentre/training-and-courses/Avantus/DCV2019-PT</a>		\$ 4,839	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avantus Training Pte Ltd	6661 0888	<a href="mailto:enquiries@avantustraining.com">enquiries@avantustraining.com</a>	12/8/2020	31/03/2021
Mixed Reality Developer Course	Aemision Studios LLP	At the end of the course, participants will be able to:  Understand the concepts of Mixed Reality apps on the Microsoft HoloLens Design and architecture an app on the Universal Windows Platform Use and navigate Microsoft Visual Studio and Unity Editor Use the Unity Engine and C# to build 3D Universal Windows Platform apps Understand and use of the Windows Mixed Reality APIs (displaying holograms, reacting to gaze, gestures and voice interactions and perform spatial mapping) Understand and use of advanced Mixed Reality concepts (sharing holographic experiences on a local server, anchoring holograms onto physical objects using Vuforia SDK)	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/Avemision-Studios-LLP-Mixed-Reality-Developer-Course">https://www.imda.gov.sg/infocentre/training-and-courses/Avemision-Studios-LLP-Mixed-Reality-Developer-Course</a>		\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Avemision Studios LLP	9126 1304	<a href="mailto:helloholo@avemisionstudios.com">helloholo@avemisionstudios.com</a>	12/8/2020	31/03/2021
Business Continuity Certified Planner (Audit)	BCMI PTE LTD	The objective of the course is to equip participants with the competency to provide both in-house and external ISO 22301 BCMS audit for any organisation. It is to provide them with the right skills to understand the ISO22301 Business Continuity Management System requirements and provide the areas for follow-up and corrective actions after the audit.  The objective of the course is to equip participants with the competency to provide both in-house and external ISO 22301 BCMS audit for any organisation. It is to provide them with the right skills to understand the ISO22301 Business Continuity Management System requirements and provide the areas for follow-up and corrective actions after the audit.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/BCMI-BCCP">https://www.imda.gov.sg/infocentre/training-and-courses/BCMI-BCCP</a>		\$ 3,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BCMI PTE LTD	6748 1528	<a href="mailto:sales_sg@bcm-institute.org">sales_sg@bcm-institute.org</a>	12/8/2020	31/03/2021
Business Continuity Certified Planner (BCCP)	BCMI PTE LTD	The objective of the course is to equip participants with the competency to provide both in-house and external ISO 22301 BCMS audit for any organisation. It is to provide them with the right skills to understand the ISO22301 Business Continuity Management System requirements and provide the areas for follow-up and corrective actions after the audit.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/BCMI-BCCP">https://www.imda.gov.sg/infocentre/training-and-courses/BCMI-BCCP</a>		\$ 3,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BCMI PTE LTD	6748 1528	<a href="mailto:sales_sg@bcm-institute.org">sales_sg@bcm-institute.org</a>	12/8/2020	31/03/2021

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Crisis Management Certified Planner (CMCP)	BCMI PTE LTD	At the end of this course, participants will understand: Understand basic crisis management concepts Have a general understanding of the crisis management standard, BS 11200 Develop risk management strategies based on ISO 31000:2018 Risk Management Understand their roles pre, during and post crisis Understand how to test and ensure that the plan can be tested	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/BCMI-CMCP">https://www.imda.gov.sg/Intalent/training-and-courses/BCMI-CMCP</a>	Training & Assessment	\$ 3,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BCMI PTE LTD	6748 1528	<a href="mailto:sales.sg@bcm-institute.org">sales.sg@bcm-institute.org</a>	12/8/2020	31/03/2021
Disaster Recovery Certified Planner (DRCP)	BCMI PTE LTD	This course will provide participants with the concept and knowledge, which will enable them to:  Identify the physical and cloud threats that affect the IT and business environment and its countermeasures Have a thorough understanding of the DR Planning Methodology Conduct an application impact analysis for an organisation Develop and implement business and IT recovery strategies Conduct cost-benefit analysis for strategies and alternate site selection with consideration to cloud and cybersecurity Consolidate and implement a comprehensive IT DR plan Create and develop an IT DR awareness and training program Conduct exercises and tests Integrate business continuity with the IT DR initiatives Sustain an effective organisation-wide IT DR program	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/BCMI-DRCP">https://www.imda.gov.sg/Intalent/training-and-courses/BCMI-DRCP</a>	Training & Assessment	\$ 3,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BCMI PTE LTD	6748 1528	<a href="mailto:sales.sg@bcm-institute.org">sales.sg@bcm-institute.org</a>	12/8/2020	31/03/2021
AWS Big Data Specialist	Bespoke Training Services Pte Ltd	Fit AWS solutions inside of a big data ecosystem. Leverage Apache Hadoop in the context of Amazon EMR. Identify the components of an Amazon EMR cluster. Launch and configure an Amazon EMR cluster. Leverage common programming frameworks available for Amazon EMR including Hive, Pig, and Streaming. Leverage Hue to improve the ease-of-use of Amazon EMR. Use in-memory analytics with Spark on Amazon EMR. Choose appropriate AWS data storage options. Identify the benefits of using Amazon Kinesis for near real-time big data processing. Leverage Amazon Redshift to efficiently store and analyze data. Comprehend and manage costs and security for a big data solution. Secure a Big Data solution. Identify options for ingesting, transferring, and compressing data. Leverage Amazon Athena for ad-hoc query analytics. Use visualisation software to depict data and queries using Amazon QuickSight. Orchestrate big data workflows using AWS Data Pipeline	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Big-Data-Specialist-FT">https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Big-Data-Specialist-FT</a>	Training & Assessment	\$ 3,900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021
AWS Certified Developer - Associate	Bespoke Training Services Pte Ltd	Set up the AWS SDK and developer credentials for Java, C#, .NET, Python, and JavaScript Use the AWS SDK to interact with AWS services and develop solutions Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores Integrate applications and data by using Amazon Kinesis, AWS Lambda, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Workflow Service (Amazon SWF) Use AWS Identity and Access Management (IAM) for service authentication Use Web Identity Framework and Amazon Cognito for user authentication Use Amazon ElastiCache and Amazon CloudFront to improve application scalability Deploy applications by using AWS Elastic Beanstalk and AWS CloudFormation	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/bespoke-aws-certified-developer-associate">https://www.imda.gov.sg/Intalent/training-and-courses/bespoke-aws-certified-developer-associate</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021
AWS Certified DevOps Engineer - Professional	Bespoke Training Services Pte Ltd	This course is designed to teach you how to:  Use the principal concepts and practices behind the DevOps methodology Design and implement an infrastructure on AWS that supports one or more DevOps development projects Use AWS CloudFormation and AWS OpsWorks to deploy the infrastructure necessary to create development, test, and production environments for a software development project Use AWS CodeCommit and AWS CodeBuild to understand the array of options for enabling a Continuous Integration and Delivery pipeline on AWS Use AWS CodePipeline to design and implement a Continuous Integration and Delivery pipeline on AWS Use AWS CodeStar to manage all software development activities in one place Implement several common Continuous Deployment use cases using AWS technologies, including blue/green deployment and A/B testing	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-DevOps-Engineer-Professional">https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-DevOps-Engineer-Professional</a>	Training & Assessment	\$ 3,900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021
AWS Certified Security Specialist	Bespoke Training Services Pte Ltd	This course is designed to teach how to:  Assimilate and leverage the AWS shared security responsibility model. Manage user identity and access management in the AWS cloud. Use AWS security services such as: AWS Identity and Access Management Amazon Virtual Private Cloud AWS Config AWS CloudTrail AWS Key Management Service AWS CloudHSM AWS Trusted Advisor Implement better security controls for resources in the AWS cloud. Monitor and audit AWS resources from a security perspective. Monitor and log access and usage of AWS compute, storage, networking, and database services. Assimilate and leverage the AWS shared compliance responsibility model. Identify AWS services and tools to help automate, monitor, and manage security operations on AWS. Perform security incident management, cloud resiliency, and business continuity in the AWS cloud.	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Security-Specialist-FT">https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Security-Specialist-FT</a>	Training & Assessment	\$ 3,610	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021
AWS Certified Solutions Architect - Associate	Bespoke Training Services Pte Ltd	At the end of this course, participants will:  Apply the AWS Well-Architected Framework Manage multiple AWS accounts for your organisation Connect on-premises datacenter to AWS Cloud Understand billing implications of connecting multi-region VPC's Move large data from on-premises data centres to the AWS Cloud Design large datastores for the AWS cloud Understand different architectural designs for scaling a large website Protect your infrastructure from DDoS attacks Secure your data on AWS with encryption Design protection of data at rest as well as data in flight Enhance the performance of your solutions Select the most appropriate AWS deployment mechanism	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Solutions-Architect-Professional">https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Solutions-Architect-Professional</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021
AWS Certified Solutions Architect - Professional	Bespoke Training Services Pte Ltd	At the end of this course, participants will:  Apply the AWS Well-Architected Framework Manage multiple AWS accounts for your organisation Connect on-premises datacenter to AWS Cloud Understand billing implications of connecting multi-region VPC's Move large data from on-premises data centres to the AWS Cloud Design large datastores for the AWS cloud Understand different architectural designs for scaling a large website Protect your infrastructure from DDoS attacks Secure your data on AWS with encryption Design protection of data at rest as well as data in flight Enhance the performance of your solutions Select the most appropriate AWS deployment mechanism	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Solutions-Architect-Professional">https://www.imda.gov.sg/Intalent/training-and-courses/Bespoke-AWS-Certified-Solutions-Architect-Professional</a>	Training & Assessment	\$ 3,900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:singapore@bespoketraining.com">singapore@bespoketraining.com</a>	12/8/2020	31/03/2021

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AWS Certified SysOps Administrator - Associate	Bespoke Training Services Pte Ltd	At the end of this course, participants will: Use standard AWS infrastructure features such as Amazon Virtual Private Cloud (VPC), Amazon Elastic Compute Cloud (EC2), Elastic Load Balancing, and Auto Scaling from the command line Use AWS CloudFormation and other automation technologies to produce stacks of AWS resources that can be deployed in an automated, repeatable fashion Build functioning virtual private networks with Amazon VPC from the ground up using the AWS Management Console Deploy Amazon EC2 instances using command line calls and troubleshoot the most common problems with instances Monitor the health of Amazon EC2 instances and other AWS services Manage user identity, AWS permissions, and security in the cloud Manage resource consumption in an AWS account using tools such as Amazon CloudWatch, tagging, and Trusted Advisor Select and implement the best strategy for creating reusable Amazon EC2 instances Configure a set of Amazon EC2 instances that launch behind a load balancer, with the system scaling up and down in response to demand Edit and troubleshoot a basic AWS CloudFormation stack definition	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/bespoke-aws-certified-sysops-administrator-associate">https://www.imda.gov.sg/mtalent/training-and-courses/bespoke-aws-certified-sysops-administrator-associate</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Bespoke Training Services Pte Ltd	6692 9207	<a href="mailto:shinapore@bespoketraining.com">shinapore@bespoketraining.com</a>	12/8/2020	31/03/2021
GCFIA (GIAC Certified Forensic Analyst)	BlockCyber Pte. Ltd.	Advanced use of a wide range of best-of-breed open-source tools and the SIFT Workstation to perform incident response and digital forensics Hunting and responding to advanced adversaries such as nation-state actors, organized crime, and hacktivists Threat hunting techniques that will aid in quicker identification of breaches Rapid incident response analysis and breach assessment Incident response and intrusion forensics methodology Remote and enterprise incident response system analysis Windows live incident response and scaling collection of triage data Investigating and countering living of the land attacks, including PowerShell and WMI Memory analysis during incident response and threat hunting Transitioning memory analysis skills to enterprise detection and response (EDR) platforms Detailed instruction on compromise and protection of Windows enterprise credentials Internal lateral movement analysis and detection Rapid and deep-dive timeline creation and analysis Volume shadow copy exploitation for hunting threats and incident response Detection of anti-forensics and adversary hiding techniques Discovery of unknown malware on a system Adversary threat intelligence development, indicators of compromise, and usage Cyber-Kill chain strategies Step-by-step tactics and procedures to respond to and investigate intrusion cases	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcfia">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcfia</a>	Training & Assessment	\$ 13,075	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Assessing and Auditing Wireless Networks (GAWN)	BlockCyber Pte. Ltd.	Incident response team members and forensicators who are expanding their investigative scope from endpoint systems to the network Hunt team members who proactively seek adversaries already in their network environments through leveraging new intelligence against previously collected evidence Law enforcement officers, federal agents, and detectives who want to become network forensic subject matter experts Security Operations Center (SOC) personnel and information security practitioners who support hunt operations, seeking to identify attackers in their network environments Network defenders who are taking on added investigative and/or incident response workloads Information security managers who need to understand network forensics in order to manage risk, convey information security implications, and manage investigative teams Network engineers who are proactively orienting their networks to best meet investigative requirements Information technology professionals who want to learn how network investigations take place Anyone who has a solid background in computer forensics, information systems, and information security and is interested in computer network intrusions and investigations	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gawn">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gawn</a>	Training & Assessment	\$ 13,075	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Certified Detection Analyst (GCDA)	BlockCyber Pte. Ltd.	Deploy the SANS SOF-ELK VM in production environments Demonstrate ways most SIEMs commonly lag current open source solutions (e.g. SOF-ELK) Bring students up to speed on SIEM use, architecture, and best practices Know what type of data sources to collect logs from Deploy a scalable logs solution with multiple ways to retrieve logs Operationalise ordinary logs into tactical data Develop methods to handle billions of logs from many disparate data sources Understand best practices methods for collecting logs Dig into log manipulation techniques challenging many SIEM solutions Build out graphs and tables that can be used to detect adversary activities and abnormalities Correlate data into active dashboards that make analyst review more tactical Utilise adversary techniques against them by using frequency analysis in large data sets Develop baselines of network activity based on users and devices Develop baselines of Windows systems with the ability to detect changes from the baseline Apply multiple forms of analysis such as long tail analysis to find abnormalities Correlate and combine multiple data sources to achieve more complete understanding Provide context to standard alerts to help understand and prioritise them Use log data to establish security control effectiveness Implement log alerts that create virtual triggers for early breach detection	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcda">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcda</a>	Training & Assessment	\$ 13,075	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Certified Forensic Examiner (GCFE)	BlockCyber Pte. Ltd.	The artefacts and tool-agnostic techniques you will learn will lead to the successful analysis of any cyber incident and crime involving a Windows Operating System. This includes: Conduct in-depth forensic analysis of Windows operating systems and media exploitation focusing on Windows 7, Windows 8/8.1, Windows 10, and Windows Server 2008/2012/2016 Identify artefact and evidence locations to answer critical questions, including application execution, file access, data theft, external device usage, cloud services, geolocation, file download, anti-forensics, and detailed system usage Focus your capabilities on analysis instead of how to use a particular tool Extract critical answers and build an in-house forensic capability via a variety of free, open-source, and commercial tools provided within the SANS Windows SIFT Workstation	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcfe">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcfe</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Certified Incident Handler (GCIH)	BlockCyber Pte. Ltd.	You will learn: How best to prepare for an eventual breach The step-by-step approach used by many computer attackers Proactive and reactive defenses for each stage of a computer attack How to identify active attacks and compromises The latest computer attack vectors and how you can stop them How to properly contain attacks How to ensure that attackers do not return How to recover from computer attacks and restore systems for business How to understand and use hacking tools and techniques Strategies and tools for detecting each type of attack Attacks and defenses for Windows, Unix, switches, routers, and other systems Application-level vulnerabilities, attacks, and defenses How to develop an incident handling process and prepare a team for battle Legal issues in incident handling	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcih">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcih</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Certified Intrusion Analyst (GCIA)	BlockCyber Pte. Ltd.	Gain technical knowledge, insight, and hands-on training you need to defend your network with confidence. You will learn about: Underlying theory of TCP/IP and the most used application protocols, such as DNS and HTTP to intelligently examine network traffic for signs of an intrusion Master a variety of tools, including tcpdump, Wireshark, Snort, Zeek, Ishark, and SIKK Apply hands-on exercises suitable for all experience levels that reinforces course book material Apply course theory to real-world problems immediately with Evening Bootcamp sessions and exercises Basic exercises include assistive hints, while advanced options provide a more challenging experience for students who may already know the material or who have quickly mastered new material	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcia">https://www.imda.gov.sg/mtalent/training-and-courses/blockcyber-gcia</a>	Training & Assessment	\$ 13,075	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021

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GIAC Cyber Threat Intelligence (GCTI)	BlockCyber Pte. Ltd.	Every security practitioner should attend the FOR578: Cyber Threat Intelligence course. This course is unlike any other technical training you have experienced. It focuses on structured analysis in order to establish a solid foundation for any security skillset and to amplify existing skills. The course will help practitioners from across the security spectrum to: Develop analysis skills to better comprehend, synthesize, and leverage complex scenarios Identify and create intelligence requirements through practices such as threat modeling Understand and develop skills in tactical, operational, and strategic-level threat intelligence Generate threat intelligence to detect, respond to, and defeat focused and targeted threats Learn the different sources to collect adversary data and how to exploit and pivot off of it Validate information received externally to minimize the costs of bad intelligence Create Indicators of Compromise (IOCs) in formats such as YARA, OpenIOC, and STIX Move security maturity past IOCs into understanding and countering the behavioral tradecraft of threats Establish structured analytical techniques to be successful in any security role	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gcti">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gcti</a>	Training & Assessment	\$ 12,121	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Defending Advanced Threats (GDAT)	BlockCyber Pte. Ltd.	SEC599: Defeating Advanced Adversaries - Purple Team Tactics & Kill Chain Defenses will arm you with the knowledge and expertise you need to overcome today's threats. Recognizing that a prevent-only strategy is not sufficient, the course will also introduce security controls aimed at stopping, detecting, and responding to your adversaries.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gdat">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gdat</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Defensible Security Architecture (GDSA)	BlockCyber Pte. Ltd.	In this course, students will learn the fundamentals of up-to-date defensible security architecture and how to engineer it. There will be a heavy focus on leveraging current infrastructure (and investment), including switches, routers, and firewalls. Students will learn how to reconfigure these devices to significantly improve their organisations' prevention capabilities in the face of today's dynamic threat landscape.  The course will also delve into the latest technologies and their capabilities, strengths, and weaknesses. You will come away with recommendations and suggestions that will aid in building a robust security infrastructure. While this is not a monitoring course, it will dovetail nicely with continuous security monitoring, ensuring that security architecture not only supports prevention but also provides the critical logs that can be fed into a Security Information and Event Management (SIEM) system in a Security Operations Centre. Multiple hands-on labs conducted daily will reinforce key points in the course and provide actionable skills that students will be able to leverage as soon as they return to work.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gdsa-ft">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gdsa-ft</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Exploit Researcher and Advanced Penetration Tester (GXPNT)	BlockCyber Pte. Ltd.	At the end of the course, participants will learn how to:  Perform penetration testing safely against network devices such as routers, switches, and NAC implementations Test cryptographic implementations Leverage an unprivileged foothold for post exploitation and escalation Fuzz networks and stand-alone applications Write exploits against applications running on Linux and Windows systems Bypass exploit mitigations such as ASLR, DEP, and stack canaries	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gxpnt-ft">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gxpnt-ft</a>	Training & Assessment	\$ 13,542	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Mobile Device Security Analyst (GMOB)	BlockCyber Pte. Ltd.	With the skills you learn in SEC575, you will be able to evaluate the security weaknesses of built-in and third-party applications. You'll learn how to:  Bypass platform encryption and how to manipulate apps to circumvent client-side security techniques Leverage automated and manual mobile application analysis tools to identify deficiencies in mobile app network traffic, file system storage, and inter-app communication channels Safely work with mobile malware samples to understand the data exposure and access threats affecting Android and iOS Bypass lock screen to exploit lost or stolen devices	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gmob">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gmob</a>	Training & Assessment	\$ 13,542	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Network Forensic Analyst (GNFA)	BlockCyber Pte. Ltd.	This course covers the tools, technology, and processes required to integrate network evidence sources into your investigations, with a focus on efficiency and effectiveness. You will leave this week with a well-stocked toolbox and the knowledge to use it on your first day back on the job. This course will cover the full spectrum of network evidence, including high-level NetFlow analysis, low-level pcap-based dissection, ancillary network log examination, and more. This course will also cover how to leverage existing infrastructure devices that may contain months or years of valuable evidence as well as how to place new collection platforms while an incident is underway.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gnfa-ft">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gnfa-ft</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Penetration Tester (GPEN)	BlockCyber Pte. Ltd.	Participants will be able to:  Learn how to perform detailed reconnaissance Study a target's infrastructure by mining blogs, search engines, social networking sites, and other Internet and intranet infrastructures Be equip with skills to scan target networks using best-of-breed tools at our hands-on labs In-depth understanding of run-of-the-mill options and configurations Learn about capabilities of the best pen test toolsets Gain knowledge on methods for exploiting target systems to gain access and measure real business risk Dive deep into post-exploitation, password attacks and web apps Pivot through target environment to model attacks of real-world bad guys, emphasising the importance of defence	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gpen">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gpen</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Python Coder (GPCY)	BlockCyber Pte. Ltd.	You will learn:  Leverage Python to perform routine tasks quickly and efficiently Automate log analysis and packet analysis with file operations, regular expressions, and analysis modules to find evil Develop forensics tools to carve binary data and extract new artifacts Read data from databases and the Windows Registry Interact with websites to collect intelligence Develop UDP and TCP client and server applications Automate system processes and process their output	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gpyc">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gpyc</a>	Training & Assessment	\$ 12,417	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Reverse Engineering Malware (GREM)	BlockCyber Pte. Ltd.	You will learn:  Build an isolated, controlled laboratory environment for analyzing the code and behavior of malicious programs Employ network and system monitoring tools to examine how malware interacts with the file system, registry, network, and other processes in a Windows environment Uncover and analyze malicious JavaScript and other components of web pages, which are often used by exploit kits for drive-by attacks Control relevant aspects of the malicious program's behavior through network traffic interception and code patching to perform effective malware analysis Use a disassembler and a debugger to examine the inner workings of malicious Windows executables Bypass a variety of packers and other defensive mechanisms designed by malware authors to misdirect, confuse, and otherwise slow down the analyst Recognize and understand common assembly-level patterns in malicious code, such as code L injection, API hooking, and anti-analysis measures Assess the threat associated with malicious documents, such as PDF and Microsoft Office files Derive Indicators of Compromise (IOCs) from malicious executables to strengthen incident response and threat intelligence efforts	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-grem">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-grem</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
GIAC Security Essentials Certification (GSEC)	BlockCyber Pte. Ltd.	You will learn:  To develop effective security metrics that provide a focused playbook that IT can implement, auditors can validate, and executives can understand To analyze and assess the risk to your environment in order to drive the creation of a security roadmap that focuses on the right areas of security Practical tips and tricks to focus in on high-priority security problems within your organization and on doing the right things that will lead to security solutions that work Why some organizations are winning and some are losing when it comes to security and, most importantly, how to be on the winning side  The core areas of security and how to create a security program that is anchored on PREVENT-DETECT-RESPOND	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gsec">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gsec</a>	Training & Assessment	\$ 13,075	FTS	C Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
OWASP Web Application Penetration Tester (OWASP7)	BlockCyber Pte. Ltd.	Participants will learn how to: Apply a repeatable methodology to deliver high-value penetration tests Discover and exploit key web application flaws Explain the potential impact of web application vulnerabilities The importance of web application security to an overall security posture Wield key web application attack tools more efficiently	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-owasp7">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-owasp7</a>	Training & Assessment	\$ 13,075	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
Global Industrial Cyber Security Professional (GICSP)	BlockCyber Pte. Ltd.	The course will provide you with: An understanding of industrial control system components, purposes, deployments, significant drivers, and constraints Hands-on lab learning experiences to control system attack surfaces, methods, and tools Control system approaches to system and network defense architectures and techniques Incident-response skills in a control system environment Governance models and resources for industrial cybersecurity professionals	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gicsp">https://www.imda.gov.sg/infocentre/training-and-courses/blockcyber-gicsp</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BlockCyber Pte. Ltd.	8128 4459	<a href="mailto:training@blockcyber.tech">training@blockcyber.tech</a>	12/8/2020	31/03/2021
Certified Cloud Architect	BridgingMinds Network Pte Ltd	Day 1 Provide a technical drill-down into the inner workings and mechanics of foundational cloud computing platforms. Private and public cloud environments are dissected into concrete, componentized building blocks (referred to as "patterns") that individually represent platform feature-sets, functions and/or artifacts, and are collectively applied to establish distinct technology architecture layers. Building upon these foundations, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS) environments are further explored as compound patterns, comprised of unique and shared building blocks. Day 2 Provides a deep dive into elastic, resilient, multi-tenant and containerized technology architectures, as well as specialized solution architectures, such as cloud bursting and cloud balancing. Through the study of architectural mechanisms, industry technologies and design patterns, both core and extended components are described that combine to realize elasticity, resiliency, multi-tenancy and associated containerization extensions as primary characteristics of cloud platforms. By leveraging these native and enhanced capability and failover-related feature-sets, specialized solution architectures are described to enable bursting between clouds and on-premise and cloud environments, as well as the balancing of runtime loads across clouds for performance and failover purposes. The course organizes content so that architectural layers are explored sequentially and, where appropriate, in relation to each other. Newly introduced primary components are described and shared components across architectural layers are highlighted. Day 3 Presents participants with a series of exercises and problems that are designed to test their ability to apply their knowledge of topics covered previously in course modules 4 and 5. Completing this lab will help highlight areas that require further attention and will further prove hands-on proficiency in cloud computing design patterns, technology architecture layers, mechanisms, industry technologies and practices as they are applied and combined to solve real-world problems.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-certified-cloud-architect-ft">https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-certified-cloud-architect-ft</a>	Training & Assessment	\$ 2,305	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	BridgingMinds Network Pte Ltd	6635 5590	<a href="mailto:enquiry@bridgingminds.com">enquiry@bridgingminds.com</a>	12/8/2020	31/03/2021
Certified Cloud Technology Professional	BridgingMinds Network Pte Ltd	Day 1 - provides end-to-end coverage of fundamental cloud computing topics as they pertain to both technology and business considerations. Day 2 - explores a range of the most important and relevant technology-related topics that pertain to contemporary cloud computing platforms. The course content does not get into implementation or programming details, but instead keeps coverage at a conceptual level, focusing on topics that address cloud service architecture, cloud security threats and technologies, virtualization and containerization. Proven technologies are defined and classified as concrete architectural building blocks called "techniques". The purpose of this course is to introduce cloud computing-related technology topics in a manner that is accessible to a wide range of IT professionals, as well as to empower participants with an understanding of the fundamental mechanics of a cloud platform, how the different "moving parts" can be combined, and how to address common threats and pitfalls. Day 3 - presents participants with a series of exercises and problems designed to test their ability to apply their knowledge of topics covered previously in course modules.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-certified-cloud-technology-professional-ft">https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-certified-cloud-technology-professional-ft</a>	Training & Assessment	\$ 2,100	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	BridgingMinds Network Pte Ltd	6635 5590	<a href="mailto:enquiry@bridgingminds.com">enquiry@bridgingminds.com</a>	12/8/2020	31/03/2021
CompTIA Security+	BridgingMinds Network Pte Ltd	This course covers basic skills to secure computer, network and corporate environments. This includes network security, compliance and operational security, threats and vulnerabilities, application, data and host security, access control and identity management, cryptography, etc. Knowing security risks and protecting the organization's assets, employees and customers from them is one of the most important and demanded skills in modern IT.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-comptia-security-ft">https://www.imda.gov.sg/infocentre/training-and-courses/bridgingminds-comptia-security-ft</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	BridgingMinds Network Pte Ltd	6635 5590	<a href="mailto:enquiry@bridgingminds.com">enquiry@bridgingminds.com</a>	12/8/2020	31/03/2021
ISMS ISO 27001: 2013 Lead Auditor	BSI Group Singapore Pte Ltd	Explain the purpose and business benefits of Information Security Management Systems (ISMS), ISMS standards Third-party certification Explain the role of an auditor to plan, conduct, report and follow up an Information Security MS audit in accordance with ISO 19011 (and ISO 17021 where appropriate). Have the skills to: Plan, conduct, report, and follow up an audit of an ISMS to establish conformity (or otherwise) with ISO/IEC 27001/2, ISO 19011 (and ISO 17021 where appropriate)	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/bsi-lead-audit">https://www.imda.gov.sg/infocentre/training-and-courses/bsi-lead-audit</a>	Training & Assessment	\$ 2,790	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	BSI Group Singapore Pte Ltd	6270 0777	<a href="mailto:yvonne.kan@bsigroup.com">yvonne.kan@bsigroup.com</a>	12/8/2020	31/03/2021
Business Continuity Institute (BCI) Certification CBCI	Business Continuity Planning Asia Pte Ltd	At the end of this course, you will be able to: Prepare to take the CBI exam Equipped with the knowledge and understanding required when practicing BCM	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/bcpasia-cbci-certification">https://www.imda.gov.sg/infocentre/training-and-courses/bcpasia-cbci-certification</a>	Training & Assessment	\$ 4,450	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Business Continuity Planning Asia Pte Ltd	6325 2080	<a href="mailto:events@bcpasia.com">events@bcpasia.com</a>	12/8/2020	31/03/2021
Associate Business Continuity Professional (ABCP)	CCS Enterprise (S) Private Limited	Participants will: Learn and practice the common body of knowledge of the BC/DR profession Effectively implement all aspects of BC/DR programme with the terminology and skills necessary to communicate at all levels Articulate the roles of the BC planner and the executive management in developing, implementing and maintaining of BC/DR plans Implementing business continuity management system for your organization conforming to international standard such as ISO22301	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/ccs-abcp-ft">https://www.imda.gov.sg/infocentre/training-and-courses/ccs-abcp-ft</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	CCS Enterprise (S) Private Limited	6338 6266	<a href="mailto:theresiam@ccsenterprise.com">theresiam@ccsenterprise.com</a>	12/8/2020	31/03/2021
Google Cloud Certified - Associate Cloud Engineer	Cloudassist Services Pte Ltd	At the end of this course, participants will understand: Identify the purpose and value of Google Cloud Platform products and services Consider the entire range of Google Cloud Platform technologies in their plans Distinguish between features of similar or related products and technologies Recognize a wide variety of solution domains, use cases, and applications Develop essential skills for managing and administering solutions Develop knowledge of solution patterns – methods, technologies, and designs that are used to implement security, scalability, high availability, and other desired qualities	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-associate-cloud-engineer">https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-associate-cloud-engineer</a>	Training & Assessment	\$ 3,175	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Cloudassist Services Pte Ltd	9090 6336	<a href="mailto:helpdesk@cloudassistvsl.com">helpdesk@cloudassistvsl.com</a>	12/8/2020	31/12/2020
Google Cloud Certified - Professional Cloud Architect	Cloudassist Services Pte Ltd	At the end of this course, participants will understand: Design and plan a cloud solution architecture Manage and provision the cloud solution infrastructure Design for security and compliance Analyze and optimize technical and business processes Manage implementations of cloud architecture Ensure solution and operations reliability	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-professional-cloud-architect">https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-professional-cloud-architect</a>	Training & Assessment	\$ 2,530	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Cloudassist Services Pte Ltd	9090 6336	<a href="mailto:helpdesk@cloudassistvsl.com">helpdesk@cloudassistvsl.com</a>	12/8/2020	31/12/2020

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Google Cloud Certified - Professional Data Engineer	Cloudassist Services Pte Ltd	At the end of this course, participants will understand: Identify the purpose and value of the key Big Data and Machine Learning products in Google Cloud Use CloudSQL and Cloud Dataproc to migrate existing MySQL and Hadoop/Pig/Spark/Hive workloads to Google Cloud Employ BigQuery and Cloud SQL to carry out interactive data analysis Choose between different data processing products in Google Cloud Create ML models with BigQuery ML, ML APIs, and AutoML Design and build data processing systems on Google Cloud Platform Process batch and streaming data by implementing autoscaling data pipelines on Cloud Dataflow Derive business insights from extremely large datasets using Google BigQuery Train, evaluate and predict using machine learning models using Tensorflow and Cloud ML Leverage unstructured data using Spark and ML APIs on Cloud Dataproc Enable instant insights from streaming data	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-cicp-professional-data-engineer">https://www.imda.gov.sg/infocentre/training-and-courses/cloudassist-cicp-professional-data-engineer</a>	Training & Assessment	\$ 4,030	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Cloudassist Services Pte Ltd	9090 6336	<a href="mailto:helpdesk@cloudassistvcs.com">helpdesk@cloudassistvcs.com</a>	12/8/2020	31/12/2020
Blockchain for Business	ConsensSys Pte Ltd	At the end of this course, participants will understand: Blockchain for the decentralisation of internet and a new paradigm Understand Ethereum and its main opportunities for the business sector as a disruptor of status-quo Become aware of main and key use cases of blockchain technology across major industries Identify business opportunities for implementing blockchain to add value and generate competitive advantages	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Business">https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Business</a>	Training & Assessment	\$ 1,700	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	ConsensSys Pte Ltd		<a href="mailto:academy_sg@consensys.net">academy_sg@consensys.net</a>	12/8/2020	31/03/2021
Blockchain for Developers	ConsensSys Pte Ltd	At the end of this course, participants will understand: Get familiar with some of the most used developers tools for Ethereum Know how to code, test and deploy Smart Contract in Solidity Understand details about the Ethereum Virtual Machine Understand how to use the library web3.js to interact with a blockchain Learn how to identify and fix common problems in DApp development Learn about key aspects such as security and testing for Smart Contracts	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Developers">https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Developers</a>	Training & Assessment	\$ 3,870	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	ConsensSys Pte Ltd		<a href="mailto:academy_sg@consensys.net">academy_sg@consensys.net</a>	12/8/2020	31/03/2021
Blockchain for Enterprise	ConsensSys Pte Ltd	At the end of this course, participants will understand: Become familiar with Blockchain technology and Ethereum Platform Be able to assess Blockchain-based solutions for business use cases Code and deploy Smart Contracts in Ethereum-based technologies Design use cases considering key features of Blockchain solutions Develop a business use cases applying learnings from the course	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Enterprise">https://www.imda.gov.sg/infocentre/training-and-courses/ConsensSys-Blockchain-for-Enterprise</a>	Training & Assessment	\$ 5,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ConsensSys Pte Ltd		<a href="mailto:academy_sg@consensys.net">academy_sg@consensys.net</a>	12/8/2020	31/03/2021
GCFE (GIAC Certified Forensic Analyst)	COSEINC Solutions Pte Ltd	The course will prepare you to: Learn and master the tools, techniques, and procedures necessary to effectively hunt, detect, and contain a variety of adversaries and to remediate incidents. Detect and hunt unknown live, dormant, and custom malware in memory across multiple Windows systems in an enterprise environment. Hunt through and perform incident response across hundreds of unique systems simultaneously using PowerShell or F-Response Enterprise and the SIFT Workstation. Identify and track malware beaconing outbound to its command and control (C2) channel via memory forensics, registry analysis, and network connection residue. Determine how the breach occurred by identifying the beachhead and initial attack mechanisms. Identify living off the land techniques, including malicious use of PowerShell and WMI. Target advanced adversary anti-forensics techniques like hidden and time-stomped malware, along with utility-ware used to move in the network and maintain an attacker's presence. Use memory analysis, incident response, and threat hunting tools in the SIFT Workstation to detect hidden processes, malware, attacker command lines, rootkits, network connections, and more. Track user and attacker activity second-by-second on the system you are analysing through in-depth timeline and super-timeline analysis. Recover data cleared using anti-forensics techniques via Volume Shadow Copy and Restore Point analysis. Identify lateral movement and pivots within your enterprise across your endpoints, showing how attackers transition from system to system without detection. Understand how the attacker can acquire legitimate credentials - including domain administrator rights - even in a locked-down environment. Track data movement as the attackers collect critical data and shift them to exfiltration collection points.	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/COSEINC-GCFE">https://www.imda.gov.sg/infocentre/training-and-courses/COSEINC-GCFE</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@cosecinc.com">henry@cosecinc.com</a>	12/8/2020	31/03/2021
GIAC Certified Forensic Examiner (GCFE)	COSEINC Solutions Pte Ltd	The participant will be able to: Perform proper Windows forensic analysis by applying key techniques focusing on Windows 7, Windows 8/8.1, and Windows10 Use full-scale forensic tools and analysis methods to detail nearly every action a suspect accomplished on a Windows system, including who placed an artifact on the system and how, program execution, file/folder opening, geo-location, browser history, profile USB device usage, and more Uncover the exact time that a specific user last executed a program through Registry and Windows artifact analysis, and understand how this information can be used to prove intent in cases such as intellectual property theft, hacker-breach systems, and traditional crimes Determine the number of times files have been opened by a suspect through browser forensics, shortcut file analysis (LNK), email analysis, and Windows Registry parsing Identify keywords searched by a specific user on a Windows system to pinpoint the data and information that the suspect was interested in finding and accomplish detailed damage assessments Use Windows Shelling analysis tools to articulate every folder and directory that a user or attacker opened up while browsing local, removable, and network drives Determine each time a unique and specific USB device was attached to the Windows system, the files and folders that were accessed on it, and who plugged it in by parsing Windows artifacts such as the Registry and Event Log files Learn Event Log analysis techniques and use them to determine when and how users logged into a Windows system, whether via a remote session, at the keyboard, or simply by unlocking a screensaver Determine where a crime was committed using Registry data to pinpoint the geo-location of a system by examining connected networks and wireless access points	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/COSEINC%20GCFE">https://www.imda.gov.sg/infocentre/training-and-courses/COSEINC%20GCFE</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@cosecinc.com">henry@cosecinc.com</a>	12/8/2020	31/03/2021
GIAC Certified Incident Handler (GCIH)	COSEINC Solutions Pte Ltd	You will learn: How to best prepare for an eventual breach The step-by-step approach used by many computer attackers Proactive and reactive defenses for each stage of a computer attack How to identify active attacks and compromises The latest computer attack vectors and how you can stop them How to properly contain attacks How to ensure that attackers do not return How to recover from computer attacks and restore systems for business How to understand and use hacking tools and techniques Strategies and tools for detecting each type of attack Attacks and defenses for Windows, UNIX, switches, routers, and other systems Application-level vulnerabilities, attacks, and defenses How to develop an incident handling process and prepare a team for battle Legal issues in incident handling	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/cosecinc-gcih">https://www.imda.gov.sg/infocentre/training-and-courses/cosecinc-gcih</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@cosecinc.com">henry@cosecinc.com</a>	12/8/2020	31/03/2021
GIAC Cyber Threat Intelligence (GCTI)	COSEINC Solutions Pte Ltd	You will learn to Develop analysis skills to better comprehend, synthesize, and leverage complex scenarios Identify and create intelligence requirements through practices such as threat modeling Understand and develop skills in tactical, operational, and strategic-level threat intelligence Generate threat intelligence to detect, respond to, and defeat focused and targeted threats Learn the different sources to collect adversary data and how to exploit and pivot off of it Validate information received externally to minimize the costs of bad intelligence Create Indicators of Compromise (IOCs) in formats such as YARA, OpenIOC, and STIX Move security maturity past IOCs into understanding and countering the behavioral tradecraft of threats Establish structured analytical techniques to be successful in any security role	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/cosecinc-gcti">https://www.imda.gov.sg/infocentre/training-and-courses/cosecinc-gcti</a>	Training & Assessment	\$ 12,121	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@cosecinc.com">henry@cosecinc.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
GIAC Mobile Device Security Analyst (GMOB)	COSEINC Solutions Pte Ltd	After the training, you will be able to: Use jailbreak tools for Apple iOS and Android systems Conduct an analysis of iOS and Android file system data to plunder compromised devices and extract sensitive mobile device use information Analyze Apple iOS and Android applications with reverse-engineering tools Change the functionality of Android and iOS apps to defeat anti-jailbreaking or circumvent in-app purchase requirements Conduct an automated security assessment of mobile applications Use wireless network analysis tools to identify and exploit wireless networks used by mobile devices Intercept and manipulate mobile device network activity Leverage mobile-device-specific exploit frameworks to gain unauthorized access to target devices Manipulate the behavior of mobile applications to bypass security restrictions  The course covers the following: Extract files from network packet captures and proxy cache files, allowing follow-on malware analysis or definitive data loss determinations Use historical NetFlow data to identify relevant past network occurrences, allowing accurate incident scoping Reverse engineer custom network protocols to identify an attacker's command-and-control abilities and actions Decrypt captured SSL traffic to identify attackers' actions and what data they extracted from the victim Use data from typical network protocols to increase the fidelity of the investigation's findings Identify opportunities to collect additional evidence based on the existing systems and platforms within a network architecture Examine traffic using common network protocols to identify patterns of activity or specific actions that warrant further investigation Incorporate log data into a comprehensive analytic process, filling knowledge gaps that may be far in the past Learn how attackers leverage man-in-the-middle tools to intercept seemingly secure communications Examine proprietary network protocols to determine what actions occurred on the endpoint systems Analyze wireless network traffic to find evidence of malicious activity Learn how to modify configuration on typical network devices such as firewalls and intrusion detection systems to increase the intelligence value of their logs and alerts during an investigation Apply the knowledge you acquire during the week in a full-day capstone lab, modeled after real-world nation-state intrusions and threat actors	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GMOB">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GMOB</a>	Training & Assessment	\$ 12,417	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
GIAC Network Forensic Analyst (GNFA)	COSEINC Solutions Pte Ltd	The course covers the following: Extract files from network packet captures and proxy cache files, allowing follow-on malware analysis or definitive data loss determinations Use historical NetFlow data to identify relevant past network occurrences, allowing accurate incident scoping Reverse engineer custom network protocols to identify an attacker's command-and-control abilities and actions Decrypt captured SSL traffic to identify attackers' actions and what data they extracted from the victim Use data from typical network protocols to increase the fidelity of the investigation's findings Identify opportunities to collect additional evidence based on the existing systems and platforms within a network architecture Examine traffic using common network protocols to identify patterns of activity or specific actions that warrant further investigation Incorporate log data into a comprehensive analytic process, filling knowledge gaps that may be far in the past Learn how attackers leverage man-in-the-middle tools to intercept seemingly secure communications Examine proprietary network protocols to determine what actions occurred on the endpoint systems Analyze wireless network traffic to find evidence of malicious activity Learn how to modify configuration on typical network devices such as firewalls and intrusion detection systems to increase the intelligence value of their logs and alerts during an investigation Apply the knowledge you acquire during the week in a full-day capstone lab, modeled after real-world nation-state intrusions and threat actors	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GNFA">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GNFA</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
GIAC Python Coder (GPYC)	COSEINC Solutions Pte Ltd	You will learn how to: Leverage Python to perform routine tasks quickly and efficiently Automate log analysis and packet analysis with file operations, regular expressions, and analysis modules to find evil Develop forensics tools to carve binary data and extract new artifacts Read data from databases and the Windows Registry Interact with websockets to collect intelligence Develop UDP and TCP client and server applications Automate system processes and process their output	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GPYC">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GPYC</a>	Training & Assessment	\$ 12,417	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
GIAC Response and Industrial Defense (GRID)	COSEINC Solutions Pte Ltd	You will learn: How to perform ICS incident response focusing on security operations and prioritizing the safety and reliability of operations How ICS threat intelligence is generated and how to use what is available in the community to support ICS environments. The analysis skills you learn will enable you to critically analyze and apply information from ICS threat intelligence reports on a regular basis How to identify ICS assets and their network topologies and how to monitor ICS hotspots for abnormalities and threats. Methodologies such as ICS network security monitoring and approaches to reducing the control system threat landscape will be introduced and reinforced How to analyze ICS malware and extract the most important information needed to quickly scope the environment and understand the nature of the threat How to operate through an attack and gain the information necessary to instruct teams and decision-makers on when operations must shut down, or if it is safe to respond to the threat and continue operations How to use multiple security disciplines in conjunction with each other to leverage an active defense and safeguard the ICS, all reinforced with hands-on labs and technical concepts	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GRID">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GRID</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
GIAC Reverse Engineering Malware GREM	COSEINC Solutions Pte Ltd	This course will teach you how to: Build an isolated, controlled laboratory environment for analysing the code and behaviour of malicious programs Employ network and system-monitoring tools to examine how malware interacts with the file system, registry, network, and other processes in a Windows environment Uncover and analyse malicious JavaScript and other components of web pages, which are often used by exploit kits for drive-by attacks Control relevant aspects of the malicious program's behaviour through network traffic interception and code patching to perform effective malware analysis Use a disassembler and a debugger to examine the inner workings of malicious Windows executables Bypass a variety of packers and other defensive mechanisms designed by malware authors to misdirect, confuse, and otherwise slow down the analyst Recognise and understand common assembly-level patterns in malicious code, such as code L injection, API hooking, and anti-analysis measures Assess the threat associated with malicious documents, such as PDF and Microsoft Office files Derive indicators of compromise (IOCs) from malicious executables to strengthen incident response and threat intelligence efforts	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GREM">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GREM</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
GIAC Security Essentials Certification (GSEC)	COSEINC Solutions Pte Ltd	At the end of this course, participants will understand: Apply what you learned directly to your job when you go back to work Design and build a network architecture using VLANs, NAC, and 802.1x based on advanced persistent threat indicators of compromise Run Windows command line tools to analyze the system looking for high-risk items Run Linux command line tools (ps, ls, netstat, etc.) and basic scripting to automate the running of programs to perform continuous monitoring of various tools Install VMWare and create virtual machines to create a virtual lab to test and evaluate tool/security of systems Create an effective policy that can be enforced within an organization and design a checklist to validate security and create metrics to do into training and awareness Identify visible weaknesses of a system using various tools and, once vulnerabilities are discovered, cover ways to configure the system to be more secure Build a network visibility map that can be used for hardening of a network - validating the attack surface and covering ways to reduce that surface by hardening and patching Sniff open protocols like telnet and ftp and determine the content, passwords, and vulnerabilities using Wireshark	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GSEC">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GSEC</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
Global Industrial Cyber Security Professional (GICSP)	COSEINC Solutions Pte Ltd	After the training, the student will be able to: Better understand various industrial control systems and their purpose, application, function, and dependencies on network IP and industrial communications Work with control network infrastructure design (network architecture concepts, including topology, protocols, and components) and their relation to IEC 62443 and the Purdue Model Run Windows command line tools to analyze the system looking for high-risk items Run Linux command line tools (ps, ls, netstat, etc) and basic scripting to automate the running of programs to perform continuous monitoring of various tools Work with operating systems (system administration concepts for Unix/Linux and/or Windows operating systems) Better understand the systems' security lifecycle Better understand information assurance principles and tenets (confidentiality, integrity, availability, authentication, non-repudiation) Use your skills in computer network defense (detecting host and network-based intrusions via intrusion detection technologies) Implement incident response and handling methodologies Map different ICS technologies, attacks, and defenses to various cybersecurity standards including NIST Cyber Security Framework, ISA/IEC 62443, ISO/IEC 27001, NIST SP 800-53, Center for Internet Security Critical Security Controls, and COBIT 5	<a href="https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GICSP">https://www.imda.gov.sg/implant/training-and-courses/COSEINC-GICSP</a>	Training & Assessment	\$ 13,542	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	COSEINC Solutions Pte Ltd	6276 1065	<a href="mailto:henry@coseinc.com">henry@coseinc.com</a>	12/8/2020	31/03/2021
Data Science and Data Engineering Bootcamp	Data Science Dojo	At the end of the bootcamp, every attendee will be able to: Explore an unknown dataset Build, evaluate, fine-tune and deploy a predictive model as a service Build an end-to-end big data pipeline to handle large volumes of data - even if the data is arriving in real time	<a href="https://www.imda.gov.sg/implant/training-and-courses/DataScienceDojo-Data-Science-and-Data-Engineering-Bootcamp">https://www.imda.gov.sg/implant/training-and-courses/DataScienceDojo-Data-Science-and-Data-Engineering-Bootcamp</a>	Training & Assessment	\$ 5,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Data Science Dojo	3158 2639	<a href="mailto:help@datasciencedojo.co.in">help@datasciencedojo.co.in</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DiD	Email	Validity Start	Validity End
Data Center Design Awareness (DCDA)	DCD Holdings Pte Ltd	<p>Explain data center technology advances throughout history, today's challenges and today's industry bodies, standards, regulations, definitions and metrics</p> <p>Identify key stakeholders and design considerations in development of data center specifications</p> <p>Explain key considerations for data center site selection</p> <p>Apply best practice recommendations to building layout requirements, including resilience level and space requirements</p> <p>Discuss configuration options for the data center including cabinet types, sizes and layout</p> <p>Distinguish between copper and fibre cable and the appropriate containment of each</p> <p>Identify servers, storage equipment, communications equipment and technology developments used in the data center today</p> <p>Discuss today's challenges, standards and regulations</p> <p>Define best practice for cooling systems, including AC options and new technology developments</p> <p>Identify major components of electrical systems, including back-up systems, generators and application of efficiency standards</p> <p>Discuss configuration options for the data center, including cabinet types</p> <p>Recognize the essential elements of fire detection and fire suppression</p> <p>Discuss best security plans for physical and electronic security and surveillance. Identify policy and procedures, regulations and standards</p> <p>Define building automation protocols, integrated systems, measuring and monitoring, reporting systems and applicable industry standards</p> <p>Identify commissioning scope, project phases, commissioning plan and documentation, maintenance plans, codes and statutory regulations</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-dcda">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-dcda</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	19/03/2021
Data Center Power Professional	DCD Holdings Pte Ltd	<p>Discuss the importance of data center power consumption to business, government and society in general, whilst trying to meet sustainability targets in a low energy future</p> <p>Identify the basics of voltage, current, power and power factor in 3-phase power circuits</p> <p>Recognize the power requirements of modern ICT loads, especially dual-cord designs and their purpose</p> <p>Recognize the competing models for power redundancy architecture, concurrent maintainability and fault tolerance</p> <p>Explain the concepts of Reliability, Availability and MTBF calculations for comparisons of system reliability</p> <p>Discuss UPS topologies according to IEC and the various forms of static UPS</p> <p>Explain emergency power generation, particularly diesel powered and including fuel delivery, storage and treatment</p> <p>Understand kinetic energy UPS, DRUPS of various types and hybrid rotary</p> <p>Explain battery energy storage with emphasis on lead-acid cells, covering design, selection and sizing of UPS batteries</p> <p>Discuss alternative energy sources including line energy and compressed air</p> <p>Define automatic transfer switches and static transfer switches with their application in critical power distribution systems</p> <p>Discuss short-circuits, fault-current sources and examples of source impedances and circuit protection in critical ICT systems</p> <p>Differentiate between AC power and HVDC power in the data center</p> <p>Recognize the concepts of power quality, especially harmonics in electronic loads</p> <p>Identify the particular maintenance issues of data centers and how the power system design can influence availability</p> <p>Discuss industry standards, codes and guides</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-center-power-professional">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-center-power-professional</a>	Training & Assessment	\$ 2,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	19/03/2021
Data Centre Cooling Professional	DCD Holdings Pte Ltd	<p>Get an introduction to advanced cooling, impacts on cooling and design operations and new operating parameters and efficiency metrics</p> <p>Explain the implications of equipment placement, installation and decommissioning on cooling and energy efficiency</p> <p>Explain airflow management systems</p> <p>Discuss free cooling and how it may be applied in various data center scenarios</p> <p>Understand the factors related to optimization in a new data center vs. a legacy data center</p> <p>Explain how to deal with new and disruptive technologies such as unified computing platforms, blade servers and high-density networking devices</p> <p>Apply Computational Fluid Dynamics (CFD) modeling to help validate a data center's design and the placement of equipment within it</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-centre-cooling-professional">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-centre-cooling-professional</a>	Training & Assessment	\$ 2,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	19/03/2021
Data Centre Technician	DCD Holdings Pte Ltd	<p>Be aware of the current and emerging standards and best practices relevant to the data center technician role</p> <p>Understand the Health &amp; Safety requirements applicable to the data centre work place</p> <p>Fully describe the role that project planning has in the successful operation of the data centre</p> <p>Define best practice in measurement, monitoring and management of environmental reporting systems</p> <p>Recognise the interactions between and policies that should be applied</p> <p>Understand the environmental parameters impacting daily operation and client SLAs - power/air quality/temperature/humidity</p> <p>Apply the concept of risk assessment center installation and change management scenarios</p> <p>Understand a customer's technical installation requirements (either internal or external in the case of a third party service provider)</p> <p>Explain the fundamentals of life safety systems as they apply to the data center environment</p> <p>Identify the key selection criteria for 3rd party maintenance companies</p> <p>Define the MAC process within a typical data center facility (moves add and changes)</p> <p>Define the methodologies for test and validation of latest technology fibre and copper cabling infrastructure</p> <p>Apply best practice considerations for space planning and system configurations</p> <p>Understand the role of the data center within both a business and a technology context</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-centre-technician">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-data-centre-technician</a>	Training & Assessment	\$ 2,700	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	31/03/2021
Energy Professional	DCD Holdings Pte Ltd	<p>Alignment of the data centre business-case with the energy plan</p> <p>Understand the principles of power and energy</p> <p>Identify and analyse energy sources &amp; rank consumers in importance</p> <p>Identify embodied energy in consumable resources</p> <p>Understand the problems associated with partial-load</p> <p>Evaluate energy saving solutions and understand risks of implementation</p> <p>Calculate the carbon content of a data centre energy profile</p> <p>Create an input and output energy flow map for a particular facility</p> <p>Electrical systems, consumption and generation</p> <p>Cooling systems, technology and the effect of climate</p> <p>Understand the opportunities &amp; limitations presented by waste energy re-use. Used by major operators</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-energy-professional">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-energy-professional</a>	Training & Assessment	\$ 2,700	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	31/03/2021
Mission Critical Operations Professional	DCD Holdings Pte Ltd	<p>Undertake a business needs assessment for a data center. Identify availability requirements and appropriate Tier classification and understand some techniques of demand forecasting</p> <p>Discuss data center finance terms, budgets and financial analysis and reporting requirements</p> <p>Recognize the human factors relating to downtime incidents and the impact of downtime on their business</p> <p>Correctly manage risk, identifying the benefits, methodologies and techniques of comprehensive risk management</p> <p>Identify the impact of electrical and mechanical operations on the critical operations of a data center and safe working practices</p> <p>Differentiate between data center cooling systems, efficient operating parameters, new efficiency metrics, and their operational impacts</p> <p>Identify the operational impacts of moves, adds, changes and the logistical support of these activities</p> <p>Understand the operational impact of a rapidly increasing amount of building and systems data reporting and the dangers of incorrect alarm prioritization and processing</p> <p>Identify the minimum operations requirements of ancillary services such as fire and security systems and the building fabric maintenance, clearing and estate management and third party maintenance contracts</p> <p>Recognize the basic data center statutory inspections, registers and maintenance records and documentation required</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/dcd-mission-critical-operations-professional">https://www.imda.gov.sg/infotalent/training-and-courses/dcd-mission-critical-operations-professional</a>	Training & Assessment	\$ 3,650	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	DCD Holdings Pte Ltd	3157 3314 / 9616 2378	<a href="mailto:charlene.goh@datacenterdynamics.com">charlene.goh@datacenterdynamics.com</a>	12/8/2020	31/03/2021
CBAP - Certified Business Analysis Professional	EPM Training Services Pte Ltd	<p>LO1: Explain key concepts and terms in business analysis</p> <p>LO2: Explain the role of business analysis in projects and project initiating</p> <p>LO3: Apply knowledge, skills and techniques for business analysis work</p> <p>LO4: Apply the process to conduct strategic analysis</p> <p>LO5: Apply the process to plan and monitor business analysis</p> <p>LO6: Apply the process to elicit and collaboration with stakeholders</p> <p>LO7: Explain the various techniques to elicit, document and model requirements</p> <p>LO8: Explain the process to analyze requirements and define design options</p> <p>LO9: Explain the requirements life cycle management</p> <p>LO10: Explain the process to implement and evaluate solution</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/epm-cbap-1">https://www.imda.gov.sg/infotalent/training-and-courses/epm-cbap-1</a>	Training & Assessment	\$ 662	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	EPM Training Services Pte Ltd	6100 3767	<a href="mailto:Enquiries@EPMpowerPM.com">Enquiries@EPMpowerPM.com</a>	12/8/2020	31/03/2021



Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Certified Internet of Things Specialist (CIOTS)	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	At the end of this course, participants will: Understand the concepts of IoT and its impact on business & government organizations Understand the various components and architecture of IoT Understand the role of cloud computing (deployment and service models, architecture, private cloud infrastructural concerns, security and privacy concerns) in IoT Understand the role of data mining, business analytics and big data technologies in IoT Analyze and explore the security and privacy challenges in IoT	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/ciots-ft">https://www.imda.gov.sg/infocentre/training-and-certification/ciots-ft</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	6236 1544	<a href="mailto:sales@icctraining.com">sales@icctraining.com</a>	12/8/2020	31/03/2021
Certified Machine Learning Specialist	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	At the end of this course, participants will: Understand of Machine Learning techniques Explore on Machine Learning Software's includes: go programming, Scipy and Weka Decision Tree will be focused and demonstrated. Demonstration of Machine Learning with Weka Learn the Machine Learning Packages in Scipy. Role of Go Programming	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/machine-learning-specialist-ft">https://www.imda.gov.sg/infocentre/training-and-certification/machine-learning-specialist-ft</a>	Training & Assessment	\$ 3,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	6236 1544	<a href="mailto:sales@icctraining.com">sales@icctraining.com</a>	12/8/2020	31/03/2021
Certified Microservice with AI Specialist (CMAIS)	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	Understand the evolution of a software architecture from monoliths to micro services Understand micro service architecture and its importance in Machine Learning Introduction to the open source Kubernetes by Digital Ocean Understand and implement in Kubeflow - The Machine Learning stack for Kubernetes Design and develop a microservice application using Docker and orchestrate using Kubernetes Design and develop TensorFlow serving to launch TensorFlow model in production Design and demonstrate TensorFlow predictive model microservice	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/cmaais-ft">https://www.imda.gov.sg/infocentre/training-and-certification/cmaais-ft</a>	Training & Assessment	\$ 3,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	6236 1544	<a href="mailto:sales@icctraining.com">sales@icctraining.com</a>	12/8/2020	31/03/2021
Certified NoSQL Analyst (MongoDB)	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	The main objective of this 5-day CNA course is to gain a practical understanding of the following: Collect and validate data Analyze data and generate reports Develop statistical model and apply data science Big data analytics knowledge	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/cna-mongodb-ft">https://www.imda.gov.sg/infocentre/training-and-certification/cna-mongodb-ft</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	6236 1544	<a href="mailto:sales@icctraining.com">sales@icctraining.com</a>	12/8/2020	31/03/2021
Certified Predictive Modeler (CPM)	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	Understand business analytics, different types and its impact on enterprises Understand the role of predictive analytics and its importance in industry Learn to apply data loading, data preparation and cleaning techniques Learn to apply the data mining techniques using an open source tool Acquire knowledge on predictive modeling with regression, rule induction, decision tree and neural network	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/cpm-ft">https://www.imda.gov.sg/infocentre/training-and-certification/cpm-ft</a>	Training & Assessment	\$ 3,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	GLOBAL ICT TRAINING & CERTIFICATION PTE LTD	6236 1544	<a href="mailto:sales@icctraining.com">sales@icctraining.com</a>	12/8/2020	31/03/2021
DS101: Introduction to Python Programming	HACKWAGON ACADEMY PTE LTD	Upon successful completion of the course, students will be able to: Understand the business uses cases for data science and data analytics Achieve basic proficiency in programming for data analytics Develop industrial data analytics functions	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hackwagon-ds101">https://www.imda.gov.sg/infocentre/training-and-certification/hackwagon-ds101</a>	Training & Assessment	\$ 2,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	HACKWAGON ACADEMY PTE LTD	9721 7472	<a href="mailto:iam@hackwagon.com">iam@hackwagon.com</a>	12/8/2020	31/03/2021
DS102: Data Analytics with Python	HACKWAGON ACADEMY PTE LTD	Upon successful completion of the course, students will learn how to: Utilise all the techniques and tools required to clean raw data and manipulate it into other formats for visualising and modelling Visualise data using a plethora of basic & advanced visualisation tools/libraries as well as how to choose the right visualisation technique based on the data Extract data from HTML web sources Mine insights from text data & perform sentiment analysis Build predictive & classifications models, and measure the effectiveness & accuracies of models	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hackwagon-ds102">https://www.imda.gov.sg/infocentre/training-and-certification/hackwagon-ds102</a>	Training & Assessment	\$ 2,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	HACKWAGON ACADEMY PTE LTD	9721 7472	<a href="mailto:iam@hackwagon.com">iam@hackwagon.com</a>	12/8/2020	31/03/2021
Certificate of Cloud Security Knowledge (CCSK)	Hewlett-Packard Singapore (Sales) Pte Ltd	To provide students with a base of knowledge on cloud computing security theory and practice, and assist students in taking the CCSK exam.	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-ccsk">https://www.imda.gov.sg/infocentre/training-and-certification/hp-ccsk</a>	Training & Assessment	\$ 3,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
Certified Data Centre Facilities Operations Manager	Hewlett-Packard Singapore (Sales) Pte Ltd	After completion of the course, the attendee will be able to: Set up a data center facilities operations team Manage and motivate your facilities management team Set up SLAs and manage them including liabilities, KPIs etc Manage vendors and measure their performance Manage physical security taking into account requirements of standards such as ANSI/TIA-942 etc Manage safety and statutory requirements Effectively and efficiently manage data center operations Manage documents Set up equipment lifecycle including testing Define data center design limits, and set up and manage a proper capacity management plan Commission and de-commission equipment IT cable management Manage the day-to-day data center operations	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdctom">https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdctom</a>	Training & Assessment	\$ 4,080	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
Certified Data Centre Professional	Hewlett-Packard Singapore (Sales) Pte Ltd	Certified Data Center Professional - CDCP	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcp">https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcp</a>	Training & Assessment	\$ 2,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
Certified Data Centre Specialist	Hewlett-Packard Singapore (Sales) Pte Ltd	After completion of the course, the attendee will be able to: Understand the design life cycle of data centers and the stages involved Discuss the data center requirements in great level of detail with vendors, suppliers, and contractors to ensure that these requirements are met Validate design plans, quotes, and offers proposed by vendors/contractors Understand redundancy levels for both the data center design/setup and maintenance Understand the various building considerations such as bullet proofing, mitigation of seismic activity, fire ratings, and thermal stability Understand how to install a raised floor that meets requirements, avoiding misalignment, level differences, and leakage Understand how to read a Single Line Electrical Diagram to identify and avoid the most common design issues Choose the correct UPS and parallel configuration, learn, and avoid classic parallel installation mistakes Understand how to calculate battery banks, validate offered configurations to ensure they meet requirements Understand what distance to keep to avoid EMF issues for human safety and equipment disturbances Understand the fundamental cooling setup, CFM, Delta-T and other important factors Understand contamination factors and limitations Understand full details of fire suppression options, how to calculate gas content and verify installations Understand how to measure data center energy efficiency and how to improve it	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcs">https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcs</a>	Training & Assessment	\$ 3,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
Certified TIA-942 Design Consultant	Hewlett-Packard Singapore (Sales) Pte Ltd	Certified TIA-942 Design Consultant	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcd">https://www.imda.gov.sg/infocentre/training-and-certification/hp-cdcd</a>	Training & Assessment	\$ 4,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
ITIL 4 Managing Professional Transition	Hewlett-Packard Singapore (Sales) Pte Ltd	Achieve ITIL 4 Managing Professional Transition Certification	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-managing-professional">https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-managing-professional</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
ITIL 4 Specialist: Create, Deliver and Support	Hewlett-Packard Singapore (Sales) Pte Ltd	Achieve ITIL 4 Specialist: Create, Deliver and Support Certification	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-specialist">https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-specialist</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
ITIL 4 Strategist: Direct, Plan and Improve	Hewlett-Packard Singapore (Sales) Pte Ltd	Achieve ITIL 4 Strategist: Direct, Plan and Improve certification	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-strategist">https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4-strategist</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
ITIL Foundation Certificate in IT Service Management ITIL 4 Edition	Hewlett-Packard Singapore (Sales) Pte Ltd	ITIL Foundation Certificate in IT Service Management ITIL 4 Edition	<a href="https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4">https://www.imda.gov.sg/infocentre/training-and-certification/hp-itil4</a>	Training & Assessment	\$ 1,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Red Hat Certified System Administrator (RHCSA)	Hewlett-Packard Singapore (Sales) Pte Ltd	This certification program provides a candidate with the skills, knowledge, capabilities to accomplish the following tasks: Ability to diagnose as well as address permissions problems and SE Linux policy violations Configuration of local storage using logical volumes and partitions Managing groups and users including focusing on the use of centralized directory for authentication Using VNC and ssh for accessing remote systems Locating and reading on-line documentation using info, man, and files in /usr/share/doc Proper management of system resources like identifying memory/CPU intensive processes, adjusting process priority, and kill processes Managing security including using or installing basic firewall and SE Linux configuration Creation and configuration of file systems and attributes like encryption, permissions, network file systems, and access control lists	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/RH-RHCSA">https://www.lmda.gov.sg/Intalent/training-and-courses/RH-RHCSA</a>	Training & Assessment	\$ 8,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Hewlett-Packard Singapore (Sales) Pte Ltd	6313 6163	<a href="mailto:daniel.leong@hpe.com">daniel.leong@hpe.com</a>	12/8/2020	31/03/2021
Go Cloud Native with HCS (Microservices)	Human Capital (Singapore)	On Day 1 of the programme, you will learn the following: Understand the rationale of microservices Understand and use the best practices and tools to work with microservices Understand the relationship between System/Software Development Life Cycle in the microservice architecture Understand the basics of the Formal Methods and how they may be used in larger implementations Understand and use the Business Model Canvas (BMC) to extract the feasibility and requirement specifications On Day 2 of the programme, you will learn the following: Understand and leverage Continuous Integration and Continuous Delivery as a methodology Build and use a data service Build and use a web application On Day 3 of the programme, you will learn the following: Understand and use React and Flux for client UI/UX implementations Build and use a Full App – the World of Fluxcraft in microservices	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/hcs-go-cloud-native">https://www.lmda.gov.sg/Intalent/training-and-courses/hcs-go-cloud-native</a>	Training & Assessment	\$ 1,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Human Capital (Singapore)	6423 0399	<a href="mailto:enquiry@hcs.com.sg">enquiry@hcs.com.sg</a>	12/8/2020	31/03/2021
Guided Journey into the World of Cloud Native	Human Capital (Singapore)	This module is a bootcamp that combines and condenses the 5 topics typically used in a journey to GoCloudNative: Microservices – Basic Features, Benefits and Challenges, Effective Implementation, and Twelve-Factor Container and Docker Management- Understanding, Managing, and implementing Containers in CloudNative solution DevOps Training – Understanding DevOps as a strategy for CI/CD process (Continuous Integration and Continuous Delivery) Cloud Architecture – Discover the world of cloud service providers in on-premise cloud, private-hosted cloud, hybrid cloud and multi-cloud solutions. Understand the concepts of CSP architecture, such as “vendor lock-in” and portability of cloud solutions, in migrating to international and regional business markets. Migration from Monolithic to a Microservices Architecture – Explain the “GR” Strategies for Migration; and understand the various open source tools and services available	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/HCS-Cloud-Native-IT">https://www.lmda.gov.sg/Intalent/training-and-courses/HCS-Cloud-Native-IT</a>	Training & Assessment	\$ 1,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Human Capital (Singapore)	6423 0399	<a href="mailto:enquiry@hcs.com.sg">enquiry@hcs.com.sg</a>	12/8/2020	31/03/2021
Cloud Native Architect Bootcamp	IBM Singapore Pte Ltd	At the end of this course, participants will understand: Explain the architecture and business drivers for cloud-native applications Explain how to design cloud-native applications and microservices for IBM Cloud Explain the concept of a Full Stack solution architecture Explain the approaches of modernizing Java EE applications on IBM Cloud	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-Architect-Bootcamp">https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-Architect-Bootcamp</a>	Training & Assessment	\$ 3,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	IBM Singapore Pte Ltd	6418 9375	<a href="mailto:askill@sg.ibm.com">askill@sg.ibm.com</a>	12/8/2020	31/03/2021
Cloud Native Bootcamp	IBM Singapore Pte Ltd	At the end of this course, participants will understand: Understand the key features, practices, and architecture of cloud-native application development Learn how to integrate on-premises resources to IBM Cloud Explore and practice approaches to migrating Java applications to IBM Cloud	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-Bootcamp">https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-Bootcamp</a>	Training & Assessment	\$ 3,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	IBM Singapore Pte Ltd	6418 9375	<a href="mailto:askill@sg.ibm.com">askill@sg.ibm.com</a>	12/8/2020	31/03/2021
Cloud Native ICP Bootcamp	IBM Singapore Pte Ltd	At the end of this course, participants will understand: Understand the key features, practices, and architecture of cloud-native application development Learn how to integrate on-premises resources to IBM Cloud Explore and practice approaches to migrating Java applications to IBM Cloud	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-ICP-Bootcamp">https://www.lmda.gov.sg/Intalent/training-and-courses/IBM-Cloud-Native-ICP-Bootcamp</a>	Training & Assessment	\$ 3,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	IBM Singapore Pte Ltd	6418 9375	<a href="mailto:askill@sg.ibm.com">askill@sg.ibm.com</a>	12/8/2020	31/03/2021
Certified Associate in Cyber Security (CACS) – Access Controls	ikompass Pte Ltd	At the end of the course, participants will be able to: Establish cybersecurity policies and governance that serve your organisation's needs Integrate cybersecurity program components into a coherent framework for action Assess, prioritize, and manage security risk throughout the organisation Manage assets and prevent data loss Work with teams to address human factors in cybersecurity Harden your facilities and physical environment Design effective policies for securing communications, operations, and access Strengthen security throughout the information systems lifecycle Plan for quick, effective incident response and ensure business continuity Comply with rigorous regulations in finance and healthcare Plan for compliance to safely process payments Explore and apply the guidance provided by the NIST Cybersecurity Framework	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-CACS-FT">https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-CACS-FT</a>	Training & Assessment	\$ 3,113	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ikompass Pte Ltd	66381203	<a href="mailto:contact@ikompass.edu.sg">contact@ikompass.edu.sg</a>	12/8/2020	01/03/2021
Certified Associate in Data Science (CADS) – Machine Learning Basics	ikompass Pte Ltd	Overview This 3 days machine learning course in Singapore teaches you various algorithms to build models. The course predominantly covers supervised algorithms.  This course is an introduction to the world of machine learning, a topic that is becoming more and more important, not only for IT professionals and analysts but also for all those scientists and engineers who want to exploit the enormous power of techniques such as predictive analysis, classification, clustering and natural language processing.  Learning Outcome Apply mathematical concepts regarding the most common machine learning problems, including the concept of learnability and some elements of information theory Describe the most important techniques used to preprocess a dataset, select the most informative features, and reduce the original dimensionality Describe the concept of classification algorithms including Decision Trees, Support Vector Machines, Random Forests, Naive Bayes and K-Nearest Neighbors Describe the structure of a continuous linear model, focusing on the linear and logistic regression algorithms	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-cads-ml">https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-cads-ml</a>	Training & Assessment	\$ 3,108	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ikompass Pte Ltd	66381203	<a href="mailto:contact@ikompass.edu.sg">contact@ikompass.edu.sg</a>	12/8/2020	01/03/2021
Certified Associate in Web Development (CAWD) – Microservices	ikompass Pte Ltd	At the end of the course, participants should: Learn what microservices are Set up environment for microservices Design architecture for microservices Develop features using microservices model Deploy applications on the cloud	<a href="https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-CAWD-FT">https://www.lmda.gov.sg/Intalent/training-and-courses/ikompass-CAWD-FT</a>	Training & Assessment	\$ 3,113	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	ikompass Pte Ltd	66381203	<a href="mailto:contact@ikompass.edu.sg">contact@ikompass.edu.sg</a>	12/8/2020	01/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Project Management Professional (PMP)	Kompass Pte Ltd	<p>Overview</p> <p>Our PMP course is aimed at getting you/your staff to understand and appreciate the PMI way of implementing projects rather than learning tips and tricks. A good understanding of the core concepts is necessary to pass the exam.</p> <p>After the classroom training, participants will take a mock exam to determine their exam readiness. Participants will receive a detailed breakdown of their strengths and weaknesses based on their performance in the mock exam. This will assist in their study plan.</p> <p>Participants are provided with access to our e-learning portal containing extensive practice questions.</p> <p>Learning Outcomes</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Best practices in Project Management</li> <li>How to plan, execute, control and close projects</li> <li>How to estimate resources and duration</li> <li>How to estimate costs and budget</li> <li>How to plan for risks and assign contingencies</li> <li>How to manage project team</li> <li>How to communicate and distribute information</li> <li>How to conduct procurement</li> <li>How to engage with stakeholders</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/kompass-pmp-training">https://www.imda.gov.sg/instalent/training-and-courses/kompass-pmp-training</a>	Training & Assessment	\$ 764	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Kompass Pte Ltd	66381203	<a href="mailto:contact@kompass.edu.sg">contact@kompass.edu.sg</a>	12/8/2020	31/12/2020
Certified Cloud Security Professional (CCSP)	Institute of Systems Science, NUS	<p>Overview</p> <p>CCSP certification defines the qualifications and experience necessary to competently secure cloud services. It validates practical know-how applicable to those professionals whose day-to-day responsibilities involve cloud security architecture, design, operations, and service orchestration. Ultimately, it provides a new benchmark for cloud security knowledge and competence, and is viewed as a reliable indicator of overall proficiency in cloud security.</p> <p>Learning Outcome</p> <ul style="list-style-type: none"> <li>Architectural Concepts &amp; Design Requirements</li> <li>Cloud Data Security</li> <li>Cloud Platform &amp; Infrastructure Security</li> <li>Cloud Application Security</li> <li>Operations</li> <li>Legal &amp; Compliance</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/isissusc/ccsp">https://www.imda.gov.sg/instalent/training-and-courses/isissusc/ccsp</a>	Training & Assessment	\$ 821	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Institute of Systems Science, NUS	6516 2093	<a href="mailto:isstraining@nus.edu.sg">isstraining@nus.edu.sg</a>	12/8/2020	31/03/2021
Certified Information Systems Security Professional (CISSP)	Institute of Systems Science, NUS	<p>Overview</p> <p>The CISSP exam tests one's competence in the eight CISSP domains of the (ISC)<sup>2</sup> CBK<sup>®</sup>, which cover critical topics in security today, including risk management, cloud computing, mobile security, application development security and more.</p> <p>Learning Outcome</p> <ul style="list-style-type: none"> <li>Security &amp; Risk Management</li> <li>Asset Security</li> <li>Security Engineering</li> <li>Communication &amp; Network Security</li> <li>Identity &amp; Access Management</li> <li>Security Assessment &amp; Testing</li> <li>Security Operations</li> <li>Software Development Security</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/isissusc/cissp">https://www.imda.gov.sg/instalent/training-and-courses/isissusc/cissp</a>	Training & Assessment	\$ 958	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Institute of Systems Science, NUS	6516 2093	<a href="mailto:isstraining@nus.edu.sg">isstraining@nus.edu.sg</a>	12/8/2020	31/03/2021
Certified Secure Software Lifecycle Professional (CSSLP)	Institute of Systems Science, NUS	<p>Overview</p> <p>The Certified Secure Software Lifecycle Professional (CSSLP) validates that software professionals have the expertise to incorporate security practices – authentication, authorization and auditing – into each phase of the software development lifecycle (SDLC), from software design and implementation to testing and deployment.</p> <p>Learning Outcome</p> <ul style="list-style-type: none"> <li>Secure Software Concepts</li> <li>Secure Software Requirements</li> <li>Secure Software Design</li> <li>Secure Software Implementation/Programming</li> <li>Secure Software Testing</li> <li>Secure Lifecycle Management</li> <li>Software Deployment, Operations, and Maintenance</li> <li>Supply Chain and Software Acquisition</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/isissusc/csslp">https://www.imda.gov.sg/instalent/training-and-courses/isissusc/csslp</a>	Training & Assessment	\$ 821	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Institute of Systems Science, NUS	6516 2093	<a href="mailto:isstraining@nus.edu.sg">isstraining@nus.edu.sg</a>	12/8/2020	31/03/2021
Systems Security Certified Practitioner (SSCP)	Institute of Systems Science, NUS	<p>Overview</p> <p>The CISSP exam tests one's competence in the eight CISSP domains of the (ISC)<sup>2</sup> CBK<sup>®</sup>, which cover critical topics in security today, including risk management, cloud computing, mobile security, application development security and more.</p> <p>Learning Outcome</p> <ul style="list-style-type: none"> <li>Security &amp; Risk Management</li> <li>Asset Security</li> <li>Security Engineering</li> <li>Communication &amp; Network Security</li> <li>Identity &amp; Access Management</li> <li>Security Assessment &amp; Testing</li> <li>Security Operations</li> <li>Software Development Security</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/isissusc/sscp">https://www.imda.gov.sg/instalent/training-and-courses/isissusc/sscp</a>	Training & Assessment	\$ 339	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Institute of Systems Science, NUS	6516 2093	<a href="mailto:isstraining@nus.edu.sg">isstraining@nus.edu.sg</a>	12/8/2020	31/03/2021
TOGAF 9 Certified	Institute of Systems Science, NUS	<p>Overview</p> <p>The purpose of certification for TOGAF 9 Level 2, known as TOGAF 9 Certified, is to provide validation that in addition to the knowledge and comprehension of TOGAF 9 Foundation, the Candidate is able to analyse and apply this knowledge. The learning objectives at this level therefore focus on application and analysis in addition to knowledge and comprehension.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> <li>Understand the importance of Enterprise Architecture (EA) as a strategic value driver/integrate business processes into strategy formulation</li> <li>Develop business processes to meet business goals and provide competitive differentiation</li> <li>Understand Enterprise Architecture development process, and use it to influence the business cycle</li> <li>Identify enabling IT architecture required to implement core organisational business processes</li> <li>Design good governance mechanisms to facilitate architecture driven approach</li> <li>Initiate EA adoption and sustenance in your organisations and promote the value and need for EA</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/isissusc/togaf-9-exam">https://www.imda.gov.sg/instalent/training-and-courses/isissusc/togaf-9-exam</a>	Training & Assessment	\$ 748	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Institute of Systems Science, NUS	6516 2093	<a href="mailto:isstraining@nus.edu.sg">isstraining@nus.edu.sg</a>	12/8/2020	31/03/2021
EMC Data Science Associate (EMCDSA)	IVT PTE LTD	<p>Overview Course</p> <p>This course provides practical foundation level training that enables immediate and effective participation in big data and other analytics projects. It includes an introduction to big data and the Data Analytics Lifecycle to address business challenges that leverage big data. The course provides grounding in basic and advanced analytic methods and an introduction to big data analytics technology and tools, including MapReduce and Hadoop. The course takes an "Open", or technology-neutral approach, and includes a final lab which addresses a big data analytics challenge by applying the concepts taught in the course in the context of the Data Analytics Lifecycle.</p> <p>Learning Outcome</p> <p>Upon completion of this course, participants should be able to:</p> <ul style="list-style-type: none"> <li>Deploying the Data Analytics Lifecycle to address big data analytics projects</li> <li>Reframing a business challenge as an analytics challenge</li> <li>Applying appropriate analytic techniques and tools to analyze big data, create statistical models, and identify insights that can lead to actionable results</li> <li>Selecting appropriate data visualizations to clearly communicate analytic insights to business sponsors and analytic audiences</li> <li>Using tools such as: R and RStudio, MapReduce/Hadoop, in-database analytics, Window and MADIB functions</li> <li>Explain how advanced analytics can be leveraged to create competitive advantage and how the data scientist role and skills differ from those of a traditional business intelligence analyst</li> </ul>	<a href="https://www.imda.gov.sg/instalent/training-and-courses/ivt-verified">https://www.imda.gov.sg/instalent/training-and-courses/ivt-verified</a>	Training & Assessment	\$ 4,522	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	IVT PTE LTD	6679 1909	<a href="mailto:ivt@ivt.com">ivt@ivt.com</a>	12/8/2020	12/09/2020

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Certified Ethical Hacker (CEH)	Kaplan Higher Education Academy Pte Ltd	<p>Overview            CEH is the world's most advanced ethical hacking course covering 20 of the most important security domains any individual will need when they are planning to beef-up the information security posture of their organization. The course provides hacking techniques and tools used by hackers and information security professionals.</p> <p>To provide employers with the confidence that you not only know your stuff, but can do the job, challenge the CEH (Practical) exam to proof your skills.</p> <p>Learning Outcome            Key issues plaguing the information security world, incident management process, and penetration testing            Various types of footprinting, footprinting tools, and countermeasures            Network scanning techniques and scanning countermeasures            Enumeration techniques and enumeration countermeasures            System hacking methodology, steganography, steganalysis attacks, and covering tracks            Different types of Trojan, Trojan analysis, and Trojan countermeasures            Working of viruses, virus analysis, computer worms, malware analysis procedure, and countermeasures            Social Engineering techniques, identify theft, and social engineering countermeasures            Session hijacking techniques and countermeasures            Different types of webserver attacks, attack methodology, and countermeasures            Different types of web application attacks, web application hacking methodology, and countermeasures</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/kaplantheceh">https://www.imda.gov.sg/mtalent/training-and-courses/kaplantheceh</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Kaplan Higher Education Academy Pte Ltd	8613 8989 / 9007 2825	<a href="mailto:enquiry.sg@kaplan.com">enquiry.sg@kaplan.com</a>	12/8/2020	31/03/2021
Computer Hacking Forensic Investigator (CHFI)	Kaplan Higher Education Academy Pte Ltd	<p>Overview            Computer hacking forensic investigation is a process to detect hacking attacks and proper extraction of evidences to facilitate investigations. These evidences are very often instrumental for system integrity audits and prevention of similar future cyber-attacks.</p> <p>As computer crimes are on the rise, good computer forensic practices can help organisations investigate attacks, detect system anomalies, or even help detect systems problems early to prevent future breach and loss of valuable digital assets.</p> <p>The tools and techniques covered in this EC-Council Computer Hacking Forensic Investigator (CHFI) certification course will prepare students with the knowledge to conduct computer investigations with the latest groundbreaking digital forensics technologies.</p> <p>Learning Outcome            Perform incident response and forensics            Perform electronic evidence collections            Perform digital forensic acquisitions            Perform bit-stream imaging/acquiring of the digital media seized during the process of investigation            Examine and analyze text, graphics, multimedia, and digital images            Conduct thorough examinations of computer hard disk drives, and other electronic data storage media            Recover information and electronic data from computer hard drives and other data storage devices            Follow strict data and evidence handling procedures            Maintain audit trail (i.e., chain of custody) and evidence integrity            Work on technical examination, analysis and reporting of computer-based evidence            Prepare and maintain case files            Utilize forensic tools and investigative methods to find electronic data, including Internet use history, word processing documents, images and other files</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/kaplanthechfi">https://www.imda.gov.sg/mtalent/training-and-courses/kaplanthechfi</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgecom Pte. Ltd	8613 8989 / 9007 2825	<a href="mailto:enquiry.sg@kaplan.com">enquiry.sg@kaplan.com</a>	12/8/2020	31/03/2021
Android Certified Application Developer	Knowledgecom Pte. Ltd	<p>Overview            Android app development course is one of the most popular courses around the globe. This course will help you learn mobile app development from scratch and unlock new job opportunities for you in start-ups as well as large organisations.</p> <p>Master Android app development, learn how to set up Android Studio, understand Android architecture in detail, learn about integrating your mobile apps with Facebook, Twitter and other social media, Google Drive, Google Maps, SQLite and learn how to create and optimize app user experience.</p> <p>Learning Outcome            At the end of this course, participants will understand:            Design and build a complete Android application            Debug and maintain Android applications using different tools and plugins            Thoroughly understand the life-cycle of an Android application and its main components            Use external resources, manifest files, intents and adapters            Understand and use all Android persistent storage techniques: Preferences, files, databases, and content providers            Use Android's background processing techniques</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-and-801-ft">https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-and-801-ft</a>	Training & Assessment	\$ 2,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgecom Pte. Ltd	8448 2136	<a href="mailto:info@knowledgecom.sg">info@knowledgecom.sg</a>	12/8/2020	31/03/2021
Certified Blockchain Solution Architect (BTA - CBSA)	Knowledgecom Pte. Ltd	<p>Overview            This instructor-led 3 day Blockchain Architecture training is for technical leaders who need to make decisions about architecture, environment, and development platforms. The Certified Blockchain Solution Architecture exam is included with this.</p> <p>Learning Outcome            At the end of this course, participants will be able to understand:            What is Blockchain            How does Blockchain work            Types of Blockchains            How is Blockchain different from what we have today            What are use cases for Blockchain            What does a Blockchain app look like            How do I design a Blockchain app            How do I develop a Blockchain app            How do I test a Blockchain app</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-certified-blockchain-solution-architect-ft">https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-certified-blockchain-solution-architect-ft</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgecom Pte. Ltd	8448 2136	<a href="mailto:info@knowledgecom.sg">info@knowledgecom.sg</a>	12/8/2020	31/03/2021
CyberSec First Responder (CFR)	Knowledgecom Pte. Ltd	<p>Overview            This course covers the duties of those who are responsible for monitoring and detecting security incidents in information systems and networks, and for executing a proper response to such incidents. Depending on the size of the organisation, this individual may act alone or may be a member of a computer security incident response team.</p> <p>The course introduces strategies, frameworks, methodologies, and tools to manage cyber security risks. In addition, you'll be able to identify various types of common threats, design and operate secure computing and networking environments, assess and audit the organisation's security, collect and analyse cyber security intelligence, and handle incidents as they occur.</p> <p>The course also covers closely related information assurance topics such as auditing and forensics to provide a sound basis for a comprehensive approach to security aimed toward those on the front lines of defence.</p> <p>Learning Outcome            At the end of this course, participants will be able to:            Assess information security risk in computing and network environments.            Analyze the cybersecurity threat landscape.            Analyze reconnaissance threats to computing and network environments.            Analyze attacks on computing and network environments.            Analyze post-attack techniques on computing and network environments.            Evaluate the organization's security posture within a risk management framework.            Collect cybersecurity intelligence.            Analyze data collected from security and event logs.            Perform active analysis on assets and networks.            Respond to cybersecurity incidents.</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-cybersec-first-responder-ft">https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-cybersec-first-responder-ft</a>	Training & Assessment	\$ 2,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgecom Pte. Ltd	8448 2136	<a href="mailto:info@knowledgecom.sg">info@knowledgecom.sg</a>	12/8/2020	31/03/2021
Microsoft Certified: Azure Administrator Associate	Knowledgecom Pte. Ltd	<p>This course teaches IT Professionals how to manage their Azure subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution.</p>	<a href="https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-microsoft-azure-admin-associate">https://www.imda.gov.sg/mtalent/training-and-courses/knowledgecom-microsoft-azure-admin-associate</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgecom Pte. Ltd	8448 2136	<a href="mailto:info@knowledgecom.sg">info@knowledgecom.sg</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Data Science Foundation	Knowledgehut Solutions	<p>Overview This foundational course provides a high-level overview of essential Data Science areas. A basic understanding of Data Science from business and technology perspectives is provided, along with an overview of common benefits, challenges, and adoption issues. In this course, you will learn the foundations for Data Science and also learn to use Python - a powerful open source tool. You will come across interesting concepts like exploratory data analysis, statistics fundamentals, hypothesis testing, regression &amp; classification modeling techniques and get introduced to machine learning. The course end project and interview prep will make you industry ready.</p> <p>Named the sexiest career of the 21st century by none other than the Harvard Business Review, the demand for Data Scientists is rapidly increasing year-on-year. It has been proven that data scientists earn base salaries up to 36% higher than other predictive analytics professionals. Glassdoor reports that the national average salary for a Data Scientist is \$1,39,840 in the United States.</p> <p>Knowledgehut's Data Science Foundation course will help freshers and seasoned professionals alike to gain a deep understanding of the subject and advance your career.</p> <p>Learning Outcome Data Science Tools &amp; Technologies Get acquainted with various analysis and visualization tools such as matplotlib and seaborn Statistics for Data Science Understand the behavior of data as you build significant models and gain strong concepts on Statistics Fundamentals Python for Data Science Learn about the various libraries offered by Python to manipulate data. Use of various Python libraries like Numpy, Pandas, SciKit-learn, Statsmodel Exploratory Data Analysis Use Python libraries and work on data manipulation, data preparation and data explorations Data Visualization using Python Use of Python graphics libraries like Matplotlib, Seaborn etc. Advanced Statistics &amp; Predictive Modeling</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-DS-Foundation">https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-DS-Foundation</a>	Training & Assessment	\$ 1,900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgehut Solutions	6955 8383	<a href="mailto:rsachus@knowledgehut.com.sg">rsachus@knowledgehut.com.sg</a>	12/8/2020	31/03/2021
Data Science Using Python	Knowledgehut Solutions	<p>Overview Rapid technological advances in Data Science have been reshaping global businesses and putting performances on overdrive. As yet, companies are able to capture only a fraction of the potential locked in data, and data scientists who are able to reimagine business models by working with Python are in great demand.</p> <p>Python is one of the most popular programming languages for high level data processing, due to its simple syntax, easy readability, and easy comprehension. Python's learning curve is low, and due to its many data structures, classes, nested functions and iterators, besides the extensive libraries, this language is the first choice of data scientists for analysing, extracting information and making informed business decisions through big data.</p> <p>This Data science for Python programming course is an umbrella course covering major Data Science concepts like exploratory data analysis, statistics fundamentals, hypothesis testing, regression classification modeling techniques and machine learning algorithms.</p> <p>Extensive hands-on labs and an interview prep will help you land lucrative jobs.</p> <p>Learning Outcome Data Science Tools &amp; Technologies Get acquainted with various analysis and visualization tools such as matplotlib and seaborn Statistics for Data Science Understand the behavior of data as you build significant models and gain strong concepts on Statistics Fundamentals Python for Data Science Learn about the various libraries offered by Python to manipulate data. Use of various Python libraries like Numpy, Pandas, SciKit-learn, Statsmodel Exploratory Data Analysis Use Python libraries and work on data manipulation, data preparation and data explorations Data Visualization using Python Use of Python graphics libraries like Matplotlib, Seaborn etc.</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-DS-Python">https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-DS-Python</a>	Training & Assessment	\$ 2,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgehut Solutions	6955 8383	<a href="mailto:rsachus@knowledgehut.com.sg">rsachus@knowledgehut.com.sg</a>	12/8/2020	31/03/2021
Machine learning Using Python	Knowledgehut Solutions	<p>Overview Course Transformational advancements in technology in today's world are making it possible for data scientists to develop machines that think for themselves. Based on complex algorithms that can glean information from data, today's computers can use neural networks to mimic human brains, and make informed decisions based on the most likely scenarios. The immense possibilities that machine learning can unlock are fascinating, and with data exploding across all fields, it appears that in the near future Machine Learning will be the only viable alternative simply because there is nothing quite like it!</p> <p>Do you want to build systems that learn from experience? Or exploit data to create simple predictive models of the world? Knowledgehut's comprehensive course will help you go from basic to advanced concepts in Machine Learning using Python, the most popular language in the Data Science space. You'll learn about Supervised vs Unsupervised Learning, look into how Statistical Modeling relates to Machine Learning, and do a comparison of each using Python libraries. You will work on real life case studies to get hands-on experience and learn Machine Learning techniques to build predictive models.</p> <p>A career in Machine Learning is much sought after because it defines and shapes the future. Sign up for this comprehensive course and learn from industry experts who will hold your hand through your learning journey.</p> <p>Learning Outcome Statistical Learning Understand the behavior of data as you build significant models Python for Machine Learning Learn about the various libraries offered by Python to manipulate, preprocess and visualize data Fundamentals of Machine Learning Learn about Supervised and Unsupervised Machine Learning and look into how statistical modelling relates to machine learning Optimization Techniques Learn to use optimization techniques to find the minimum error in your machine learning model Machine Learning Algorithms Learn various machine learning algorithms like KNN, Decision Trees, SVM, Clustering in detail and build model using them to implement in real life scenarios using Python libraries such as SciKit learn</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-ML-Python">https://www.imda.gov.sg/infotalent/training-and-courses/Knowledgehut-ML-Python</a>	Training & Assessment	\$ 2,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Knowledgehut Solutions	6955 8383	<a href="mailto:svinir.gopi@knowledgehut.com.sg">svinir.gopi@knowledgehut.com.sg</a>	12/8/2020	31/03/2021
ISMS ISO 27001: 2013 Lead Auditor	Maximus Consulting Pte Ltd	<p>Overview The ISO/IEC 27000 family of standards helps organizations keep information assets secure.</p> <p>Using this family of standards will help organization manage the security of assets such as financial information, intellectual property, employee details or information entrusted to you by third parties.</p> <p>ISO/IEC 27001 is the best-known standard in the family providing requirements for Information Security Management Systems (ISMS).</p> <p>This course comprises of 36 hours of classroom component.</p> <p>Learning Outcome At the end of this course, participants will understand: Purpose and business benefits of ISMS, ISMS standards, ISMS audits and third party Certification Role and skills required by an auditor when planning, conducting, reporting and following up on an ISMS audit in accordance with ISO/IEC 27001:2013, ISO/IEC 27002:2013 Information technology Security techniques Code of practice for information security controls ISO 19011:2011 Guidelines for auditing management systems and where applicable ISO 17021:2015</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/maximus-isms-lead-auditor">https://www.imda.gov.sg/infotalent/training-and-courses/maximus-isms-lead-auditor</a>	Training & Assessment	\$ 2,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Maximus Consulting Pte Ltd	6396 0938	<a href="mailto:sally_p@maximus.com">sally_p@maximus.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Citrix Certified Associate - Virtualization (CCA - V)	NetAssist Services Pte Ltd	<p>Overview This administration course covers the aspects of installing, configuring and managing a Citrix Virtual Apps and Desktops 7 environment, how to manage an on-premises Citrix solution and migrate from an on-premises solution to cloud using the Citrix Cloud management plane.</p> <p>This five-day course will teach you how to deploy, install, configure, setup profile management, configure policies, printing and basic security features for on-premises Virtual Apps and Desktops solution building, and then migrating to Citrix Cloud.</p> <p>Learning Outcomes At the end of the course, students will Gain foundational knowledge of Citrix Virtual Apps and Desktops 7 How to install, configure, and manage a Citrix Virtual Apps and Desktops 7 site and Cloud connectors Identify the considerations between Citrix Virtual Apps and Desktops on-premises and the Citrix Virtual Apps and Desktops Service How to deliver app and desktop resources</p>	<a href="https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-cca-v-ft">https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-cca-v-ft</a>	Training & Assessment	\$ 4,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	NetAssist Services Pte Ltd	6272 2662	<a href="mailto:training@netassist.com.sg">training@netassist.com.sg</a>	12/8/2020	31/03/2021
Microsoft Certified Solutions Associate (MCSA): Windows Server 2016	NetAssist Services Pte Ltd	<p>Overview This course explains how to implement and configure new Windows Server 2016 features and functionality. This course has a path for new Windows Server administrators as well as those who are certified in older versions and wish to upgrade to this latest version. Earning an MCSA: Windows Server 2016 certification qualifies you for a position as a network or computer systems administrator or as a computer network specialist.</p> <p>Learning Outcome Upon completion of this course, participants will understand how to design and implement Windows Server 2016 environment, including to: Implement Storage Solutions Implement Hyper-V Hypervisor, virtual machines and containers Design and implement high-availability and disaster recovery Design and implement Windows Remote Access Solutions Implement an Advanced Network Infrastructure</p>	<a href="https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-mcsa-windowsserver2016-ft">https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-mcsa-windowsserver2016-ft</a>	Training & Assessment	\$ 5,238	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	NetAssist Services Pte Ltd	6272 2662	<a href="mailto:training@netassist.com.sg">training@netassist.com.sg</a>	12/8/2020	31/03/2021
Microsoft Certified: Azure Solutions Architect Expert	NetAssist Services Pte Ltd	<p>Overview This course comprises of 2 modules to prep for the two mandatory exams. It starts from introductory contents and lead up to the designing curriculum. Microsoft Azure Solutions Architects must have expertise in compute, network, storage, and security so that they can design solutions that run on Azure.</p> <p>Learning Outcome Upon completion of this course, participants will understand how to design solutions that run on Azure, including to: Deploy and configure infrastructure Implement workloads and security Create and deploy apps Implement authentication and secure data Determine workload requirements Design for identity and security Design a data platform solution Design a business continuity strategy Design for deployment, migration, and integration Design an infrastructure strategy</p>	<a href="https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-azure-saa-ft">https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-azure-saa-ft</a>	Training & Assessment	\$ 4,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	NetAssist Services Pte Ltd	6272 2662	<a href="mailto:training@netassist.com.sg">training@netassist.com.sg</a>	12/8/2020	31/03/2021
Pivotal Certified Spring Professional	NetAssist Services Pte Ltd	<p>Overview This course offers hands-on experience with Spring and its major features, including configuration, data access, web and REST applications, Spring Boot, Spring Security and using Spring Cloud to build a small microservices application. On completion, participants will have a foundation for creating enterprise-ready applications and upon passing the required exam, will earn the Pivotal Spring Professional credential.</p> <p>Learning Outcome Upon completion of this course, participants will understand how to implement the following: Spring configuration using Java Configuration and Annotations Aspect oriented programming with Spring Testing Spring applications using JUnit 5 Spring Data Access JDBC, JPA and Spring Data Spring Transaction Management Building Web Applications with Spring MVC Setup Spring applications with Spring Boot REST with Spring MVC and REST template Spring Security Microservices with Spring Cloud Reactive Programming with Spring</p>	<a href="https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-pivotal-spring-professional-ft">https://www.lmda.gov.sg/lnstalent/training-and-courses/netassist-pivotal-spring-professional-ft</a>	Training & Assessment	\$ 3,270	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	NetAssist Services Pte Ltd	6272 2662	<a href="mailto:training@netassist.com.sg">training@netassist.com.sg</a>	12/8/2020	31/03/2021
CompTIA A+	New Horizons Computer Learning Center of Singapore	<p>Overview Course The 5-day course will acquire students with essential skills and information needed to install, configure, optimize, troubleshoot, repair, upgrade and perform preventive maintenance on PCs, digital devices, and operating systems.</p> <p>Learning Outcome Hardware Fundamentals Managing System Components Managing Data Storage Supporting Display Devices Installing and Configuring Peripheral Components Customized Client Environments Supporting Printers and Multifunction Devices Networking Technologies Installing and Configuring Networking Capabilities Supporting Mobile Digital Devices Operating System Fundamentals Installing and Configuring Microsoft Windows Optimizing and Maintaining Microsoft Windows Working with Other Operating Systems Networking and Security Fundamentals Security Threats, Vulnerabilities, and Controls Implementing Security Controls Troubleshooting System-Wide Issues Safety and Operational Procedures</p>	<a href="https://www.lmda.gov.sg/lnstalent/training-and-courses/NH/CLC%20compTIA%20A%20PT">https://www.lmda.gov.sg/lnstalent/training-and-courses/NH/CLC%20compTIA%20A%20PT</a>	Training & Assessment	\$ 3,150	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	New Horizons Computer Learning Center of Singapore	6822 8282	<a href="mailto:funding@newhorizons.com.sg">funding@newhorizons.com.sg</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
CompTIA Security+	New Horizons Computer Learning Center of Singapore	<p>Overview Course The 5-day course will acquire students with essential skills and information needed to install, configure, optimize, troubleshoot, repair, upgrade and perform preventive maintenance on PCs, digital devices, and operating systems.</p> <p>Learning Outcome Hardware Fundamentals Managing System Components Managing Data Storage Supporting Display Devices Installing and Configuring Peripheral Components Customized Client Environments Supporting Printers and Multifunction Devices Networking Technologies Installing and Configuring Networking Capabilities Supporting Mobile Digital Devices Operating System Fundamentals Installing and Configuring Microsoft Windows Optimizing and Maintaining Microsoft Windows Working with Other Operating Systems Networking and Security Fundamentals Security Threats, Vulnerabilities, and Controls Implementing Security Controls Troubleshooting System-Wide Issues Safety and Operational Procedures</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-compTIA-A-PT">https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-compTIA-A-PT</a>	Training & Assessment	\$ 3,596	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	New Horizons Computer Learning Center of Singapore	6822 8282	<a href="mailto:funding@newhorizons.co.sg">funding@newhorizons.co.sg</a>	12/8/2020	31/03/2021
ITIL Foundation Certificate in IT Service Management	New Horizons Computer Learning Center of Singapore	<p>Overview In this course, participants will engage in the basic fundamental concepts of ITIL®, and identify the phases of the IT Service Management Lifecycle.</p> <p>Learning Outcome This 3-day course, students will learn the fundamental concepts of ITIL® 4 and identify the phases of the IT Service Management Lifecycle.</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-it-il-foundation">https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-it-il-foundation</a>	Training & Assessment	\$ 258	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL-4)	Financial Services	Classroom	New Horizons Computer Learning Center of Singapore	6822 8282	<a href="mailto:funding@newhorizons.co.sg">funding@newhorizons.co.sg</a>	12/8/2020	31/03/2021
Project Management Professional (PMP)	New Horizons Computer Learning Center of Singapore	<p>Overview When you obtain your Project Management Professional certification, you establish yourself as a skilled project management professional who can successfully lead and direct projects. Obtaining this certification improves your marketability to employers and commands a higher salary. This 5-day program is designed for Project Managers, working professionals and individuals involved in in-house or client projects, aiming to certify their skills by obtaining the renowned Project Management Professional (PMP) certification.</p> <p>Learning Outcome In this 5-day course, students will learn and apply the generally recognized practices of project management acknowledged by the Project Management Institute (PMI)® to successfully manage projects.</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-pmp-pt">https://www.lmda.gov.sg/mtalent/training-and-courses/nh-cic-pmp-pt</a>	Training & Assessment	\$ 749	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	New Horizons Computer Learning Center of Singapore	6822 8282	<a href="mailto:funding@newhorizons.co.sg">funding@newhorizons.co.sg</a>	12/8/2020	31/12/2020
Project Management Professional (PMP)	NTUC LearningHub Private Limited	<p>Overview The PMP designation is recognized worldwide as the standard of the profession, attesting to one's core knowledge and understanding of critical Project Management concepts, principles and techniques. Certification sets Project Management Professionals apart from the crowd. This programme is designed with the objective to assist participants understand PMIs standard for Project Management with the view to prepare the participants to sit for PMP certification exam.</p> <p>Learning Outcome Be responsible for all aspects of the project for the life of the project Lead and direct cross-functional teams to deliver projects Demonstrate sufficient knowledge and experience to apply a methodology to projects Complete work on time and on budget in an environment which reinforces alignment with organizational strategy Start, build or advance their careers in project, program and portfolio management</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/NTUC-LH-PMP-PT">https://www.lmda.gov.sg/mtalent/training-and-courses/NTUC-LH-PMP-PT</a>	Training & Assessment	\$ 766	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL-4)	Financial Services	Classroom	NTUC LearningHub Private Limited	6336 5482	<a href="mailto:pm@ntuclearninghub.co.sg">pm@ntuclearninghub.co.sg</a>	12/8/2020	31/12/2020
Certified IP Associate (CIPA)	Orbitage Pte Ltd	<p>Overview CIPA builds your skills and capabilities in computer networking. A multi-vendor approach is used so that you will be able to work on a variety of different types of equipment. Orbitage will lead you through a range of practical "hands on" exercises on the networks to build your understanding of how computer networks actually work in practice. In addition, you will learn to use the Wireshark analyser as part of this course</p> <p>Learning Outcome Manage a computer network Configure &amp; validate network properties &amp; settings on multiple vendor platforms Plan IPv4 addressing schemes &amp; subnet masks Troubleshoot networks using a range of tools including a network analyser Understand security concepts and issues related to data communication networks Apply commands across key vendors</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-CIPA">https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-CIPA</a>	Training & Assessment	\$ 2,400	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Orbitage Pte Ltd		<a href="mailto:info@orbitage.com">info@orbitage.com</a>	12/8/2020	31/03/2021
Practical Software Defined Networking & Network Function Virtualization	Orbitage Pte Ltd	<p>Overview This hands-on practical course provides participants with a practical introduction to virtualisation via Software Defined Networking (SDN) and Network Function Virtualisation (NFV). These are arguably two of the most significant enablers in modern networking, allowing for centralised control of networks, dynamic network operation based on service requests, and easier backup and recovery strategies.</p> <p>The course provides an understanding of each and builds skills in deploying and managing both SDN and NFV environments and ultimately supporting different types of service. The learning is facilitated with practical exercises and activities.</p> <p>Learning Outcome Install and configure a virtual environment Create &amp; manage a virtual network device Remotely access &amp; control a virtual machine Manage a network using a SDN controller Configure network services using SDN and NFV Monitor &amp; troubleshoot traffic in a virtual environment Design a Virtual Network from a given plan</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-PSDN/NFV">https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-PSDN/NFV</a>	Training & Assessment	\$ 2,400	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Orbitage Pte Ltd		<a href="mailto:info@orbitage.com">info@orbitage.com</a>	12/8/2020	31/03/2021
Understanding 5G	Orbitage Pte Ltd	<p>Overview This program builds a foundation of underpinning knowledge in 5G networks, its evolution from 4G/LTE and forms a basis for more advanced, practical programs related to 5G as the emerging standards are finalised. Covers network evolution, operation of the air interface, 5G access &amp; transmission, core and 5G services platforms.</p> <p>Learning Outcome Understand the Network Evolution steps to 5G Explain the operation of the 5G NR Air Interface &amp; MIMO/Massive MIMO Understand the operation of the 5G NG-RAN and NG-Core Explain network slicing &amp; how SDN/NFV are used in 5G Describe the 5G Connection Life Cycle Describe the 5G Service Architecture</p>	<a href="https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-Understanding-5G">https://www.lmda.gov.sg/mtalent/training-and-courses/Orbitage-Understanding-5G</a>	Training & Assessment	\$ 1,440	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Orbitage Pte Ltd		<a href="mailto:info@orbitage.com">info@orbitage.com</a>	12/8/2020	31/03/2021



Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Certified in the Governance of Enterprise IT (CGEIT)	Sapience Consulting Pte Ltd	<p>Overview</p> <p>The CGEIT Exam Preparation course is an intensive, four-day review program to prepare individuals who are planning to sit for the Certified in the Governance of Enterprise IT (CGEIT) exam.</p> <p>The course focuses on the key points covered in the CGEIT Review Manual 7th Edition and includes class lectures, group discussions/activities, exam practice and answer debriefs. The course is intended for individuals with familiarity with and experience in the governance of enterprise IT.</p> <p>Learning Outcome</p> <p>Participants in the CGEIT Exam Preparation course will be provided instruction designed to provide the following:</p> <ul style="list-style-type: none"> <li>An understanding of the format and structure of the CGEIT certification exam</li> <li>Knowledge of the various topics and technical areas covered by the exam</li> <li>Practice with specific strategies, tips and techniques for taking and passing the exam</li> <li>Opportunities to execute practice questions with debriefs of answers</li> </ul> <p>The CGEIT Exam Preparation Course comprises six primary sections, covering the following topics:</p> <p>General Examination Information</p> <p>Framework for the governance of enterprise IT</p> <p>Strategic management</p> <p>Benefits realization</p> <p>Risk optimization</p> <p>Resource optimization</p> <p>Examination Practice</p> <p>Typically, each day of the course will cover 1 - 2 CGEIT domain, using lecture, group activities and practice questions</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cgeit">https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cgeit</a>	Training & Assessment	\$ 3,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Sapience Consulting Pte Ltd	6729 2976	<a href="mailto:sg@sapience-consulting.com">sg@sapience-consulting.com</a>	12/8/2020	31/12/2020
Certified Information Security Manager (CISM)	Sapience Consulting Pte Ltd	<p>Overview</p> <p>The Certified Information Security Manager (CISM) Exam Preparation course is an intensive, four-day review program to prepare individuals who are planning to sit for the CISM exam.</p> <p>The course focuses on the key points covered in the CISM Review Manual 15th Edition and includes class lectures, group discussions/activities, exam practice and answer debriefs. The course is intended for individuals with familiarity with and experience in information security management.</p> <p>Learning Outcome</p> <p>Participants in the CISM Exam Preparation course will be provided instruction designed to provide the following:</p> <ul style="list-style-type: none"> <li>An understanding of the format and structure of the CISM certification exam</li> <li>Knowledge of the various topics and technical areas covered by the exam</li> <li>Practice with specific strategies, tips and techniques for taking and passing the exam</li> <li>Opportunities to execute practice questions with debriefs of answers</li> </ul> <p>The CISM Exam Preparation Course comprises six primary sections, covering the following topics:</p> <p>General Examination Information</p> <p>Information Security Governance</p> <p>Information risk management</p> <p>Information security program development and management</p> <p>Information security incident management</p> <p>Exam practice/sample exam</p> <p>Typically, each day of the course will cover a single CISM domain, using lecture, group activities and practice questions.</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cism">https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cism</a>	Training & Assessment	\$ 3,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Sapience Consulting Pte Ltd	6729 2976	<a href="mailto:sg@sapience-consulting.com">sg@sapience-consulting.com</a>	12/8/2020	31/12/2020
Certified Information Systems Auditor (CISA)	Sapience Consulting Pte Ltd	<p>Overview</p> <p>The CISA Exam Preparation course is an intensive, five-day review program designed to prepare professionals for the Certified Information Systems Auditor™ (CISA) exam.</p> <p>The course focuses on the key points covered in the CISA Review Manual 26th Edition and includes class lectures, group discussions, exam practice and answer debriefs. The course is intended for individuals with familiarity with and experience in information systems auditing, control or security.</p> <p>Learning Outcome</p> <p>Participants in the CISA Exam Preparation course will be provided instruction designed to provide the following:</p> <ul style="list-style-type: none"> <li>An understanding of the format and structure of the CISA certification exam</li> <li>Knowledge of the various topics and technical areas covered by the exam</li> <li>Practice with specific strategies, tips and techniques for taking and passing the exam</li> <li>Opportunities to execute practice questions with debriefs of answers</li> </ul> <p>The CISA Exam Preparation Course comprises seven primary sections, covering the following topics:</p> <p>General Examination Information</p> <p>Domain 1: Information System Auditing Process (23 percent)</p> <p>Domain 2: Governance and Management of IT (17 percent)</p> <p>Domain 3: Information Systems, Acquisition, Development and Implementation (12 percent)</p> <p>Domain 4: Information Systems Operations and Business Resilience (23 percent)</p> <p>Domain 5: Protection of Information Assets (27 percent)</p> <p>Examination Practice</p> <p>Typically, each day of the course will cover 1 - 2 CISA domain, using lecture, group activities and practice questions.</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cisa">https://www.imda.gov.sg/infotalent/training-and-courses/sapience-cisa</a>	Training & Assessment	\$ 3,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Sapience Consulting Pte Ltd	6729 2976	<a href="mailto:sg@sapience-consulting.com">sg@sapience-consulting.com</a>	12/8/2020	31/12/2020
Certification in IT Business Continuity Management	Singapore Computer Society	<p>Overview</p> <p>Today, information is fast in becoming the new currency of business. As a result, business continuity has become an integral part of the IT lexicon and is paramount to recovery during crises or emergencies. Become one of the world's first to be certified in CTBCM, which critically equips you with three important components of IT Disaster Recovery, Data Centre Management and Business Continuity Management. Now, you have the competitive edge in ensuring business continuity through the resilience of IT systems and infrastructure.</p> <p>Learning Outcome</p> <p>The certification examines the candidate's competence in 7 key competency areas:</p> <ul style="list-style-type: none"> <li>Program Management</li> <li>Risk Management</li> <li>Business &amp; Technology Impact Analysis</li> <li>Resiliency Strategy</li> <li>Planning and Testing</li> <li>Crisis Communications Management</li> <li>Audit, Review and Maintenance</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/itbc-certification-in-it-bcm-ft">https://www.imda.gov.sg/infotalent/training-and-courses/itbc-certification-in-it-bcm-ft</a>	Training & Assessment	\$ 550	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Singapore Computer Society	6226 2567	<a href="mailto:scs.secretariat@scs.org.sg">scs.secretariat@scs.org.sg</a>	12/8/2020	31/03/2021
Certification in IT Project Management (ITPM)	Singapore Computer Society	<p>Overview</p> <p>Gain the widely recognised and de facto standard for IT project management competence and professionalism today. If you are an IT project management professional who seeks to make your mark of quality, here is your chance for recognition!</p> <p>Learning Outcome</p> <p>The certification examines the candidate's competence in 12 areas of IT project management:</p> <ul style="list-style-type: none"> <li>Project Integration Management</li> <li>Project Scope Management</li> <li>Project Time Management</li> <li>Managing Project Costs</li> <li>Managing Project Quality</li> <li>Project Human Resource Management</li> <li>Project Communications Management</li> <li>Managing Project Risks</li> <li>Project Procurement Management</li> <li>Interpersonal</li> <li>Client/Customer Relations</li> <li>Managing Complexity</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/itbc-certification-in-itpm-ft">https://www.imda.gov.sg/infotalent/training-and-courses/itbc-certification-in-itpm-ft</a>	Training & Assessment	\$ 550	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Singapore Computer Society	6226 2567	<a href="mailto:scs.secretariat@scs.org.sg">scs.secretariat@scs.org.sg</a>	12/8/2020	31/03/2021

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Certification in Outsourcing Management for IT (COMIT)	Singapore Computer Society	<p>Overview</p> <p>Outsourcing is strategically important in driving economic value up in today's businesses and enterprises. COMIT is set to be the widely recognised standard for IT Outsourcing competence and professionalism. It brings out the leadership quality in you, demonstrating the experience and knowledge you possess in designing, implementing and managing outsourcing initiatives.</p> <p>For service providers and advisors, COMIT re-affirms your qualifications, competency and skill sets to provide top-notch outsourcing management for your customers. For end users, it keeps you updated with the outsourcing trend and well-equipped to work with your partners.</p> <p>Learning Outcome</p> <p>The certification examines the candidate's competence in 12 areas of IT outsourcing management:</p> <ul style="list-style-type: none"> <li>Outsourcing Planning and Preparation of RFP</li> <li>Vendor Evaluation and Selection</li> <li>Contract Formulation and Negotiation</li> <li>Contract Initiation, Transition and Transformation Management</li> <li>Relationship Management and Dispute Resolution</li> <li>Service Quality Management and Performance Monitoring</li> <li>Contract Migration and Handover Management</li> <li>Cost Management</li> <li>Risk Management</li> <li>Human Resource Management</li> <li>Communications Management</li> <li>Interpersonal</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/its-certification-in-om-for-it-ft">https://www.imda.gov.sg/infotalent/training-and-courses/its-certification-in-om-for-it-ft</a>	Training & Assessment	\$ 550	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Singapore Computer Society	6226 2567	<a href="mailto:scs.secretariat@scs.org.sg">scs.secretariat@scs.org.sg</a>	12/8/2020	31/03/2021
Advanced Computer Vision with Deep Learning	Singapore Innovate Pte Ltd	<p>Overview</p> <p>In this workshop, you will also discover how to do such tasks as object detection and learn how models (like YOLO) are able to go beyond just classifying images to detecting where multiple objects are in an image.</p> <p>You will also learn about image segmentation and classifying at the pixel level. This will involve using architectures like U-Nets and DenseNets and learning how they are used in a variety of image segmentation tasks from perception for self-driving cars to medical image analysis.</p> <p>Building on the tools taught in the jumpstart workshop we will be going beyond just using TensorFlow and Keras, to introduce PyTorch and TorchVision, which are often being used for research in computer vision and cutting-edge architectures.</p> <p>Learning Outcome</p> <p>In the course participants will learn:</p> <ul style="list-style-type: none"> <li>Learn about advanced classification and objection detection</li> <li>Introduction into PyTorch and TorchVision</li> <li>Acquire skills to create applications like image search and similarity comparisons</li> <li>Learn about image segmentation and classifying at the pixel level with architectures like U-Nets and DenseNets and how they are used in a variety of image segmentation tasks</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/its-advanced-computer-vision-with-deep-learning">https://www.imda.gov.sg/infotalent/training-and-courses/its-advanced-computer-vision-with-deep-learning</a>	Training & Assessment	\$ 1,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Singapore Innovate Pte Ltd	6996 6414	<a href="mailto:patrina@sginnovate.com">patrina@sginnovate.com</a>	12/8/2020	31/03/2021
Advanced NLP and Temporal Sequence Processing	Singapore Innovate Pte Ltd	<p>Overview</p> <p>This workshop is the third installation of the Deep Learning Series Workshop. In this module, we go much deeper into some of the latest techniques for using Deep Learning for text and time series applications.</p> <p>One of the core skills in NLP is reliably detecting entities and classifying individual words according to their parts of speech. We will look at how Named Entity Recognition (NER) works and how RNNs and LSTMs are used for tasks like this and many others in NLP.</p> <p>Another common technique of Deep Learning in NLP is the use of word and character vector embeddings. We will cover such famous models as Word2Vec and GloVe, how these are created, some of their unique properties and how you can use them to improve the accuracy of natural language understanding problems and applications.</p> <p>We will also cover some of the most recent developments in using transfer learning for text related problems and language modelling. These are leading to some of the most recent state-of-the-art results for text classification problems like sentiment analysis and many more. This section will cover the papers ULMFIT, ELMo and OpenAI's most recent Transformer model.</p> <p>Learning Outcome</p> <p>In the course participants will learn:</p> <ul style="list-style-type: none"> <li>Text Classification Models and to build a text classifier</li> <li>To build a Named Entity Recogniser (NER) system</li> <li>About Sequence to Sequence models</li> <li>To build NLP models from scratch</li> <li>To build a Chatbot ML system</li> <li>To build a language model!</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/its-advanced-nlp-and-temporal-sequence-processing">https://www.imda.gov.sg/infotalent/training-and-courses/its-advanced-nlp-and-temporal-sequence-processing</a>	Training & Assessment	\$ 1,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Singapore Innovate Pte Ltd	6996 6414	<a href="mailto:patrina@sginnovate.com">patrina@sginnovate.com</a>	12/8/2020	31/03/2021
Deep Learning Jumpstart Workshop	Singapore Innovate Pte Ltd	<p>Overview</p> <p>Together with Red Dragon AI, SGInnovate is pleased to present the first module of the Deep Learning Developer Series – Deep Learning Jumpstart Workshop. This workshop is a recommended pre-requisite for the series and it introduces the skills needed to start your Deep Learning Developer journey.</p> <p>The workshop consists of 2 days classroom training and 10 hours of online learning. You will learn the overall concepts and techniques for understanding and building your own Deep Learning project like:</p> <ul style="list-style-type: none"> <li>Deep Learning models for tabular data, image data, audio data and text data</li> <li>Fully Connected Neural Networks</li> <li>Convolution Neural Networks</li> <li>Recurrent Networks</li> </ul> <p>We use real world examples to help you identify the best techniques to tackle various data science problems you have at hand! On top of classroom training, our online materials, quizzes and project clinic provides hands-on practice to strengthen your learning.</p> <p>Learning Outcome</p> <p>In this course, you will learn about:</p> <ul style="list-style-type: none"> <li>The basic concepts Neural Networks and an introduction to the mathematics of Deep Learning</li> <li>TensorFlow Keras API and how it works as a higher level of abstraction for TensorFlow</li> <li>Building various types of Deep Learning models</li> <li>Building models using various TensorFlow APIs and the TensorFlow ecosystem</li> <li>Building models for Computer Vision challenges</li> <li>Building models for Natural language challenges</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/its-deep-learning-jumpstart-workshop">https://www.imda.gov.sg/infotalent/training-and-courses/its-deep-learning-jumpstart-workshop</a>	Training & Assessment	\$ 800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Singapore Innovate Pte Ltd	6996 6414	<a href="mailto:patrina@sginnovate.com">patrina@sginnovate.com</a>	12/8/2020	31/03/2021
Kickstarting Your Machine Learning Journey	Singapore Innovate Pte Ltd	<p>Overview</p> <p>SGInnovate partners with National University of Singapore – Institute of Systems Science to bring to you an accelerated 4 days Machine Learning Workshop designed to kickstart your journey into this field.</p> <p>Machine learning is a field of research that can take years to attain mastery. Through this workshop, you will experiment in the areas that are most relevant today. The ultimate goal is to help you construct a learning map of areas to continue improving upon after each course.</p> <p>By the end of the course, you will also be designing and implementing your own project to apply what you learn in your domain.</p> <p>Learning Outcome</p> <p>By the end of this course, attendees should be able to:</p> <ul style="list-style-type: none"> <li>Describe the well-known machine learning techniques and applications</li> <li>Apply well-known machine learning models using Python libraries for classification, regression, and clustering</li> <li>Apply the machine learning workflow (data preparation, feature engineering, training and validation) for supervised and unsupervised learning problems</li> <li>Apply machine learning to a domain-specific problem of their choice, evaluate its effectiveness, and suggest further improvements</li> </ul>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/its-kickstarting-your-machine-learning-journey">https://www.imda.gov.sg/infotalent/training-and-courses/its-kickstarting-your-machine-learning-journey</a>	Training & Assessment	\$ 1,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Singapore Innovate Pte Ltd	6996 6414	<a href="mailto:patrina@sginnovate.com">patrina@sginnovate.com</a>	12/8/2020	31/03/2021



Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Certified Information Privacy Professional / Asia (CIPP / A)	Straits Interactive Pte Ltd	<p>Overview</p> <p>The Certified Information Privacy Professional/Asia (CIPP/A) is the first publicly available privacy certification that covers multiple jurisdictions in the Asia region. It addresses the data protection laws in Hong Kong, India and Singapore and the regional privacy concerns in this rapidly growing landscape. The credential is designed for any person, regardless of location, whose work as a privacy professional involves Asian data protection regulations.</p> <p>Learning Outcome</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Fundamental Privacy Principles</li> <li>Singapore Privacy Laws and Practices (focusing on PDPA)</li> <li>Hong Kong Privacy Laws and Practices</li> <li>India Privacy Laws and Practices</li> <li>Comparative overview of laws and practices, including Malaysia and the Philippines**</li> <li>Common themes</li> <li>Hands-On approach and Mock Examination</li> <li>** Not covered in the certification examination</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/straits-cippa-f/">https://www.imda.gov.sg/infocentre/training-and-courses/straits-cippa-f/</a>	Training & Assessment	\$ 4,160	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Straits Interactive Pte Ltd	6602 8010	<a href="mailto:sales@straitinteractive.co.in">sales@straitinteractive.co.in</a>	12/8/2020	31/03/2021
Certified Information Privacy Professional / Europe (CIPP / E)	Straits Interactive Pte Ltd	<p>Overview</p> <p>Achieving a CIPP/E credential shows you have the comprehensive GDPR knowledge, perspective and understanding to ensure compliance and data protection success in Europe - and to take advantage of the career opportunity this sweeping legislation represents.</p> <p>Learning Outcome</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Introduction to European Data Protection</li> <li>European Regulatory Institutions</li> <li>Legislative Framework</li> <li>Compliance with European Data Protection Law and Regulation</li> <li>International Data Transfers</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/straits-cippe-f/#~:text=Overview,opportunity%20in%20wwe,reg%20regulation%20represents.">https://www.imda.gov.sg/infocentre/training-and-courses/straits-cippe-f/#~:text=Overview,opportunity%20in%20wwe,reg%20regulation%20represents.</a>	Training & Assessment	\$ 4,230	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Straits Interactive Pte Ltd	6602 8010	<a href="mailto:sales@straitinteractive.co.in">sales@straitinteractive.co.in</a>	12/8/2020	31/03/2021
Certified Information Privacy Technologist (CIPT)	Straits Interactive Pte Ltd	<p>Overview</p> <p>The Certified Information Privacy Technologist (CIPT) credential shows the knowledge to build one's organisation's privacy structures from the ground up. With regulators worldwide calling for tech professionals to factor data privacy into their products and services, the job market for privacy-trained IT pros has never been stronger.</p> <p>This certification applies to anyone in IT, security, or engineering. This covers privacy by design, security architecture, software engineering, data management or audit.</p> <p>Learning Outcome</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Critical privacy concepts and practices that impact IT</li> <li>Consumer privacy expectations and responsibility</li> <li>How to incorporate privacy into early stages of IT products and services for cost control, accuracy and speed-to-market</li> <li>How to establish privacy practices for data collection and transfer</li> <li>How to preempt privacy issues in the Internet of Things</li> <li>How to factor privacy into data classification and emerging tech such as cloud computing, facial recognition and surveillance</li> <li>How to communicate privacy issues with partners such as management, development, marketing and legal</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/straits-cipt-f/#~:text=Overview,structures%20from%20the%20ground%20up.&amp;text=Think%20over%20privacy%20by%20design,engineering%20%20data%20management%20or%20audit.">https://www.imda.gov.sg/infocentre/training-and-courses/straits-cipt-f/#~:text=Overview,structures%20from%20the%20ground%20up.&amp;text=Think%20over%20privacy%20by%20design,engineering%20%20data%20management%20or%20audit.</a>	Training & Assessment	\$ 4,160	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Straits Interactive Pte Ltd	6602 8010	<a href="mailto:sales@straitinteractive.co.in">sales@straitinteractive.co.in</a>	12/8/2020	31/03/2021
GRC Professional Training Course	Straits Interactive Pte Ltd	<p>Overview</p> <p>The GRC Professional Training Course is a first-of-its-kind course in Singapore. Under license from the Open Compliance &amp; Ethics Group (OCEG), the course helps individuals develop a core understanding and skills to integrate governance, risk management and compliance in one capability.</p> <p>Learning Outcome</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Develop a GRC strategic plan</li> <li>Align governance, risk and compliance in context of the organisation</li> <li>Understand, define, and enhance organisational culture as it relates to performance, risk, and compliance</li> <li>Implement effective, efficient and agile GRC processes using the OCEG GRC Capability Model</li> <li>Motivate and inspire desired conduct through the concept of Principled Performance</li> <li>Understand technology's role in GRC</li> <li>Develop ongoing monitoring and continuous improvement of GRC activities through metrics and measurement</li> <li>How to explain the value of Principled Performance, and an integrated approach to GRC, to your management and board</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/straits-grc-professional-training-course-01">https://www.imda.gov.sg/infocentre/training-and-courses/straits-grc-professional-training-course-01</a>	Training & Assessment	\$ 4,990	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Straits Interactive Pte Ltd	6602 8010	<a href="mailto:sales@straitinteractive.co.in">sales@straitinteractive.co.in</a>	12/8/2020	31/03/2021
HANDS-ON DATA PROTECTION OFFICER TRAINING PROGRAMME - Enabling New Competencies for the Data Protection Officer & Complying with the Personal Data Protection Act	Straits Interactive Pte Ltd	<p>Overview</p> <p>This 3-day Hands-on Data Protection Officer Training Programme equips professionals, managers and executives (PMEs) in Singapore with new competencies using a practical approach and borrowing from best practices, showing them how to implement, comply and to stay compliant with the PDPA. It is meant to complement the courses offered by PDPC and: Offers a hands-on approach conducted by practitioners who are doing PDPA Audits in organisations Includes Straits Interactive's Data Protection Management System for DPOs Includes customisable policy templates and privacy/personal data protection notices</p> <p>Learning Outcome</p> <p>At the end of this course, participants will understand:</p> <ul style="list-style-type: none"> <li>Step-by-step plan for Data Protection Officers to start PDPA compliance</li> <li>Manage compliance using the online Data Protection Management System</li> <li>Customise your own Personal Data Protection &amp; Information Security Policy</li> <li>Guidance &amp; best practices from experienced PDPA practitioners</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/straits-dpoco-01">https://www.imda.gov.sg/infocentre/training-and-courses/straits-dpoco-01</a>	Training & Assessment	\$ 4,999	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Straits Interactive Pte Ltd	6602 8010	<a href="mailto:sales@straitinteractive.co.in">sales@straitinteractive.co.in</a>	12/8/2020	31/03/2021
Tableau Desktop I and Desktop II	TABLEAU ASIA PACIFIC PTE. LTD	<p>Overview</p> <p>You will learn the foundational concepts of Tableau and also more complex skills that will distinguish you to become a Tableau power user. Topics from both Desktop I and Desktop II will be covered.</p> <p>Desktop I: Fundamentals</p> <p>Desktop II: Intermediate</p> <p>Learning Outcome</p> <p>You will learn important Tableau Desktop concepts, techniques for simple and complex visualisations and interactive dashboards. You will be enabled with the skills required to become a Tableau power user. These are the official training course for Tableau Desktop Certified Associate Certification.</p> <p>At the end of this course, you will be able to:</p> <ul style="list-style-type: none"> <li>Connect to your data</li> <li>Edit and save a data source</li> <li>Understand Tableau terminology</li> <li>Use the Tableau interface / paradigm to effectively create powerful visualisations</li> <li>Create basic calculations including basic arithmetic calculations, custom aggregations and ratios, date math, and quick table calculations.</li> <li>Build advanced chart types and visualisations</li> <li>Build complex calculations to manipulate your data</li> <li>Use statistical techniques to analyse your data</li> <li>Use parameters and input controls to give users control over certain values</li> <li>Implement advanced geographic mapping techniques and use custom images and geocoding to build spatial visualisation of non-geographic data</li> <li>Prep your data for analysis</li> <li>Combine data sources using data blending</li> <li>Combine data from multiple tables in the same data source using joins</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/tableau-desktop-i-and-desktop-ii">https://www.imda.gov.sg/infocentre/training-and-courses/tableau-desktop-i-and-desktop-ii</a>	Training & Assessment	\$ 3,191	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	TABLEAU ASIA PACIFIC PTE. LTD	6768 5000	<a href="mailto:global@tableau.com">global@tableau.com</a> <a href="mailto:uswest@tableau.com">uswest@tableau.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
5G Network Architecture with Core Network Planning and Security	Telefocal Asia Pte. Ltd.	<p>Overview</p> <p>This course covers the next major phase of mobile communication technologies and standards beyond the current 4G/LTE-Advanced Standards. The course covers 5G technologies in full depth and breadth and includes topics like software based architecture, Network Slicing, Virtualised Network Core Functions, User Plane splitting, Full layered cybersecurity and 5G applications that will revolutionise the form and operation of mobile network operators.</p> <p>Participants will find out how 5G system is designed as compared to 4G, in terms of speed, agility and intelligence, IT infrastructure and security. New trends and services such as 5G-toT, Smart Cities, Autonomous Driving, low-latency remote control, are just some of the use cases that operators will be able to leverage to boost their business towards the new era of all-software defined businesses.</p> <p>Learning Outcomes</p> <p>This course aims to provide students with deep technical skills for planning and performing 5G design process. Upon completion of this course, the participants would be able to:</p> <p>Describe what 5G is</p> <p>Describe the 5G technology drivers</p> <p>List the 5G features and their benefits</p> <p>Describe the 5G network architecture and its key technologies</p> <p>Illustrate the 5G architecture and components both Core, RAN and Services</p> <p>Explain the Core network operation of 5G and the functionality of related nodes</p> <p>Describe typical 5G Use Cases and deployment scenarios</p> <p>Describe the conditions necessary to support 5G deployments</p> <p>Describe and design the IT infrastructure environment of 5G</p> <p>Describe the virtual network functions and the software based architecture of 5G</p> <p>Describe and be able to assess the security risk of 5G</p> <p>Ability to create cybersecurity policies for multiple layers of the 5G infrastructure</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/telefocalasia-5g-network-architecture-core-network">https://www.imda.gov.sg/infocentre/training-and-courses/telefocalasia-5g-network-architecture-core-network</a>	Training & Assessment	\$ 4,550	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Telefocal Asia Pte. Ltd.	6398 3150	<a href="mailto:training@telefocal.com">training@telefocal.com</a>	12/8/2020	31/03/2021
5G Network Architecture, Planning and Design	Telefocal Asia Pte. Ltd.	<p>Overview</p> <p>This course covers the next major phase of wireless and mobile communication technologies and standards beyond the current 4G/LTE-Advanced Standards.</p> <p>The course covers 5G technologies in full depth and breadth and includes topics like radio channels, RF, antennas, propagation, architecture, components, cellular/backhaul and applications that will revolutionize the form and operation of mobile network operators.</p> <p>Participants will find out how 5G wireless networks perform as compared to 4G, in terms of speed, agility and intelligence. New trends and services such as 5G-toT, Smart Cities, Autonomous Driving, low latency remote control, are just some of the use cases that operators will be able to leverage to boost their business towards the new era of all-software defined businesses.</p> <p>Learning Outcomes</p> <p>Upon completion of this course, the participants would be able to:</p> <p>Describe what 5G is</p> <p>Describe the 5G technology drivers</p> <p>List the 5G features and their benefits</p> <p>Describe the 5G network architecture and its key technologies</p> <p>Illustrate the 5G architecture and components</p> <p>Explain the RF, PHY, MAC and Core network operation of 5G</p> <p>Describe typical 5G Use Cases and deployment scenarios</p> <p>Describe the conditions necessary to support 5G deployments</p> <p>Describe how to deploy 5G Small cells for their coexistence with pre-5G macro cells</p> <p>Describe advanced wireless technology concepts like Massive MIMO, Virtualized RAN and more</p> <p>Calculate the link budget in 5G</p> <p>List the most important phases in 5G design</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/telefocalasia-5g-network-architecture-planning-and-design">https://www.imda.gov.sg/infocentre/training-and-courses/telefocalasia-5g-network-architecture-planning-and-design</a>	Training & Assessment	\$ 4,550	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Telefocal Asia Pte. Ltd.	6398 3150	<a href="mailto:training@telefocal.com">training@telefocal.com</a>	12/8/2020	31/03/2021
Advanced Data Analytics and Machine Learning with R	Tertiary Infotech Pte Ltd	<p>Overview</p> <p>Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention</p> <p>Many industries working with large amounts of data have recognized the value of machine learning technology. By gaining insights from this data, organizations are able to work more efficiently or gain an advantage over competitors.</p> <p>To get the most value from machine learning, this 3 days course on Machine Learning will teach you most of the key machine learning using R. R is particularly suited to learning machine learning due to user friendliness and the powerful RStudio IDE</p> <p>Course Highlights:</p> <ul style="list-style-type: none"> <li>What is machine learning</li> <li>Supervised Learning Models</li> <li>Unsupervised Learning Models</li> <li>Neural Network</li> </ul> <p>Learning Outcome</p> <p>By the end of the training, learners will be able to:</p> <ul style="list-style-type: none"> <li>Identify appropriate machine learning methods to address the problems and issues</li> <li>Perform data analysis using machine learning methods</li> <li>Draw inferences from the data analysis</li> <li>Using R for machine learning</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/tertiaryinfotech-advanced-da-ml-wth-r-pl">https://www.imda.gov.sg/infocentre/training-and-courses/tertiaryinfotech-advanced-da-ml-wth-r-pl</a>	Training & Assessment	\$ 900	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Tertiary Infotech Pte Ltd	6100 0613	<a href="mailto:enquiry@tertiaryinfotech.com">enquiry@tertiaryinfotech.com</a>	12/8/2020	31/03/2021
Deep Learning with Tensorflow and Python	Tertiary Infotech Pte Ltd	<p>Overview</p> <p>Tensorflow is an open source machine learning/deep learning framework developed by Google for everyone. Tensorflow includes Machine Learning APIs such as Neural Network, Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), Word Embedding, Seq2Seq, Generative Adversarial Networks (GAN), Reinforcement Learning, and Meta Learning. This course will show you how to build deep learning applications using Tensorflow.</p> <p>Tensorflow is based on the Python, a widely used programming language for data analytics and engineering in the world. In this course, you will equip yourself the basic and advanced knowledge of Python. After that, you will learn the basic and advanced topics in Tensorflow. By the completion of this course, you will be able to develop your own NN, CNN and RNN model for image recognition and sentiment analysis using either Tensorflow or Keras.</p> <p>Tensorflow is based on the Python, the most popular programming language for data analytics and engineering in the world. In this course, you will equip yourself the basic and advanced knowledge of Python. After that, you will learn the basic and advanced topics in Tensorflow. By the completion of this course, you will be able to develop your own NN, CNN and RNN model for image recognition and sentiment analysis using either Tensorflow or Keras.</p> <p>The topics include:</p> <ul style="list-style-type: none"> <li>Python programming</li> <li>Machine Learning with Deep NN</li> <li>Image Recognition using Convolutional NN</li> <li>Transfer Learning with Pre-trained Models</li> <li>Sentimental Analysis using Recurrent NN</li> </ul> <p>Learning Outcome</p> <p>By end of the course, learners will acquire the following skills and knowledge</p> <ul style="list-style-type: none"> <li>Coding in Python</li> <li>Understand the basic programming concepts such as control structure, loop, function, OOP</li> <li>Understand the basic concepts of Machine Learning and Deep Learning</li> </ul> <p>Learning Outcome</p> <p>At the end of the course, the student will acquire knowledge pertaining to:</p> <ul style="list-style-type: none"> <li>Interpretation of User Requirements and Uses Cases</li> <li>Understanding Test Cases (inclusive of Test Description, Test Procedure &amp; Test Script)</li> <li>Transposition of the Uses Cases into Test Cases</li> <li>Understanding the various types of Test Plans</li> <li>Execution of Tests, Recording of the results, analyse the test outcome and write a Test Report</li> </ul>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/tertiaryinfotech-deep-learning-wth-tensorflow-and-python-pl">https://www.imda.gov.sg/infocentre/training-and-courses/tertiaryinfotech-deep-learning-wth-tensorflow-and-python-pl</a>	Training & Assessment	\$ 1,200	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Tertiary Infotech Pte Ltd	6100 0613	<a href="mailto:enquiry@tertiaryinfotech.com">enquiry@tertiaryinfotech.com</a>	12/8/2020	31/03/2021
Certified Software Test Analyst	Tescos Singapore Software Systems Testing Pte. Ltd	<p>Overview</p> <p>This course covers the next major phase of mobile communication technologies and standards beyond the current 4G/LTE-Advanced Standards. The course covers 5G technologies in full depth and breadth and includes topics like software based architecture, Network Slicing, Virtualised Network Core Functions, User Plane splitting, Full layered cybersecurity and 5G applications that will revolutionise the form and operation of mobile network operators.</p> <p>Participants will find out how 5G system is designed as compared to 4G, in terms of speed, agility and intelligence, IT infrastructure and security. New trends and services such as 5G-toT, Smart Cities, Autonomous Driving, low-latency remote control, are just some of the use cases that operators will be able to leverage to boost their business towards the new era of all-software defined businesses.</p> <p>Learning Outcomes</p> <p>This course aims to provide students with deep technical skills for planning and performing 5G design process. Upon completion of this course, the participants would be able to:</p> <p>Describe what 5G is</p> <p>Describe the 5G technology drivers</p> <p>List the 5G features and their benefits</p> <p>Describe the 5G network architecture and its key technologies</p> <p>Illustrate the 5G architecture and components both Core, RAN and Services</p> <p>Explain the Core network operation of 5G and the functionality of related nodes</p> <p>Describe typical 5G Use Cases and deployment scenarios</p> <p>Describe the conditions necessary to support 5G deployments</p> <p>Describe and design the IT infrastructure environment of 5G</p> <p>Describe the virtual network functions and the software based architecture of 5G</p> <p>Describe and be able to assess the security risk of 5G</p> <p>Ability to create cybersecurity policies for multiple layers of the 5G infrastructure</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/tescom-certified-software-test-analyst">https://www.imda.gov.sg/infocentre/training-and-courses/tescom-certified-software-test-analyst</a>	Training & Assessment	\$ 2,000	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Tescom Singapore Software Systems Testing Pte. Ltd	6632 3514	<a href="mailto:sales@tescom-asia.com">sales@tescom-asia.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Agile Software Engineering	theanthropy pte ltd	<p>Overview Through the Agile Software Engineering course, you'll learn: Introduction to Agile Software Development User Stories Extreme Pair Programming Mob Programming Test-Driven Development(TDD) Agile Architecture and Design Refactoring Acceptance Test Driven Development (ATDD) Continuous Integration and Continuous Delivery Leverage your learning to gain recognition and status as the local Agile expert in your company</p> <p>Learning Outcome On completion of the course, the students would be able to: Expand career opportunities across all industry sectors adopting Agile and DevOps practices Understand the challenges of waterfall development Appreciate the importance of Agile development Using Story Mapping to map a "User Journey" Learning how to effectively break User stories or "User Activities" up into User Tasks Using Specification by example to bring shared understanding of requirements Definition, advantage, disadvantage and obstacles of Pair Programming Definition, advantage, disadvantage and obstacles of Mob Programming Apply clean code and code review techniques Understand the thought process and steps involved during a typical test-driven session Drive the development (design and implementation) of a User Story using automated tests Discover improved confidence and increase in development speed by writing automated tests first! Identify poorly designed code by using elaborated code smell vocabulary</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-agile-software-engineering">https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-agile-software-engineering</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021
Certified Scrum Product Owner	theanthropy pte ltd	<p>Overview Becoming Agile is a lifelong journey. Incorporating Scrum values and Agile principles into your world of work takes diligence, patience, and a commitment to continuous improvement. CSPO® course offers a deep dive into the product owner role based on the internationally recognized Scrum Guide and the learning objectives of the Scrum Alliance.</p> <p>CSPO® course is designed to be highly practical in its focus and format. It offers a unique opportunity to gain knowledge and experience at an accelerated rate. By exploring real-world case studies and effectively applied real-world solutions the trainee gains insight that might otherwise take years to achieve.</p> <p>CSPO® course focuses on an approach using the lens of a Product Owner to all aspects of Scrum. Techniques are explored to improve communication skills, particularly with non-Scrum Team stakeholders, and methods are explored to build deeper understanding and empathy.</p> <p>Learning Outcome On completion of the course, the students would be able to: Expand career opportunities across all industry sectors adopting Agile practices Understand the principles underlying agile methodologies and how to apply them in a team context Create a viable project vision, release forecast and visualise progress for an agile project. Discover how documentation, governance and reporting differ between a PMI and an agile project Experience the product definition process, from visioning to user stories using such tools as Lean Product Canvas and User Story Mapping Practice estimating value and using the Business Value Game for managing conflicting stakeholder priorities Learn how to create a release forecast without defining each and every requirement at the outset. Understand agile product discovery and the power of iterative methods for risk management Learn through doing, building an actual product vision, release forecast and backlog from start to finish Understand how to make progress visible and how to facilitate successful delivery of a project to fixed date and/or fixed time Attending the entire course qualifies you to receive the Certified Scrum Product Owner certification from Scrum Alliance</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-certified-scrum-product-owner#?text=CSPO%20course%20course%20about%20benefits%20and%20understanding%20why%20it%20matters">https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-certified-scrum-product-owner#?text=CSPO%20course%20course%20about%20benefits%20and%20understanding%20why%20it%20matters</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021
Design Sprint and Innovation	theanthropy pte ltd	<p>Overview Design Sprint is a popular tool used in Google to solve complex problems. It provides an undeniable competitive advantage. It's a pragmatic and effective way to integrate Design Thinking, UX, Agile, Lean start-up approaches into an organization, based on co-creation and collaboration.</p> <p>A design sprint is a five phase(Understand, Sketch, Decide, Prototype, and Validate) framework that helps answer critical business questions through rapid prototyping and user testing. Sprints let teams reach clearly defined goals and deliverables and gain key learnings, quickly. The process helps spark innovation, encourage user-centred thinking, align teams under a shared vision, and get the product launch faster.</p> <p>Learning Outcome On completion of the course, the students would be able to: Preview Future Disruptions caused by Intelligent Technologies Appreciate the overview and differences of Digitalisation, Digitalisation and Innovation Understand the 3 Levels and 6 Types of Business Innovations Learn about the how to innovate depending on which person perspective Acquire and apply the Jobs-to-be-done Framework Define the Jobs and Outcomes of your industry / organisation Use Outcome-Driven Innovation to discover Segments of Opportunity Explore and discuss present and future business models with case studies Adopt and apply the Design Sprint mindset, tools &amp; method to their day to day business challenges Use Design Sprints to identify practical problems worth solving via empathy Define stage, ideation, rapid-prototyping and testing customer-centric solutions Drive cultural transformation and become more customer-centric, innovative and agile</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-design-sprint-and-innovation">https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-design-sprint-and-innovation</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021
ICAgile Certified Professional Foundations Of DevOps ICF-FFD	theanthropy pte ltd	<p>Overview Driving individuals through a digital transformation requires new aptitudes, creative reasoning, and transformational initiatives. Leaders across the IT organization must align themselves and collaborate together to advance the organization. The course is delivered by key DevOps leadership sources handpicked from the industry to extract the real-life best practices in leading DevOps initiatives, such as the Spotify Squad Model. They teach the key differences and emerging practices for cultural transformation through leadership in a fast-paced DevOps and Agile environment.</p> <p>This DevOps Foundations certification is designed for both technical and non-technical audience. The learning outcomes cover areas such as the business case for DevOps, continuous integration, continuous delivery, accompanying cultural changes, operational considerations and configuration management.</p> <p>Participants who complete this certification will gain an excellent foundation in DevOps concepts and ingredients for a successful transition.</p> <p>Learning Outcome On completion of the course, the students would be able to: Expand career opportunities across all industry sectors adopting Agile and DevOps practices Perform cost-benefit analysis and apply evaluation methods to assess new technologies/practices Explain the benefits and value of DevOps in order to set the organization's expectations and to gauge progress throughout adoption Explain that DevOps will vary from organization to organization, from team to team and that it may even change over time. It is not a "one-size-fits-all" process Describe how challenges arise from separation of development and operations, how organizational structure influences technology decisions The essentials of continuous integration (CI) Develop software configuration and establish a release and configuration plan The principles and practices of continuous delivery (CD)</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-icf-ffd">https://www.imda.gov.sg/infotalent/training-and-courses/theanthropy-icf-ffd</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
Robotic Process Automation for Business	theanthropy pte ltd	<p>Overview</p> <p>Digital disruption has changed the business landscape and made it imperative for every organisation to on-board the digital transformation approach in an accelerated pace. It has become essential for those leading the organisation to be prepared and equipped with the knowledge and skills necessary to champion such a journey, and ensure that the business survives and stays ahead of its competition. This course presents the opportunity for organisations to prepare themselves for this journey, as it offers approaches, frameworks and best practices to enable required skills in the digital era.</p> <p>If you're not learning robotic process automation, or, RPA, right now... you're already behind. Much in the same way physical robots have been rapidly replacing industrial, blue-collar jobs, software robots will be replacing a high percentage of white collar jobs... sooner than you think. The most likely way to adapt &amp; thrive in this new age will be to know how to build &amp; maintain software robots!</p> <p>Learning Outcome</p> <p>On completion of the course, the students would be able to:</p> <ul style="list-style-type: none"> <li>Explain what RPA is and where it fits into the landscape of automation (inclusive of cognitive and AI)</li> <li>Explain what is the time and cost of RPA and who are the players in the value chain</li> <li>Explain where should your organizations start</li> <li>Understand what is RPA and what is not RPA. How RPA can deliver business benefits and what levels of benefits it can deliver</li> <li>Understand and practice on how to identify opportunities for RPA in the organisation and challenges</li> <li>Understand current RPA tools landscape and differences between RPA and SPA, between Machine Vision, Natural Language Processing and Machine Learning</li> <li>Understand what Compliance and Security questions arise and get practical experience in negotiating this questions</li> <li>Describe how RPA tools can be maintained in the long-term. Is it a band-aid solution or a strategic approach</li> <li>Describe skillset of Process Transformation specialist in RPA Program, skillset of RPA Developer and skillset of Change Manager</li> <li>Gain practical experience how to analyse business process candidates for RPA</li> <li>Identify and apply Process Mining to RPA</li> <li>Create Robot Journey Maps (Robot Architectures)</li> </ul>	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/theanthropy-rpa-for-business">https://www.imda.gov.sg/Intalent/training-and-courses/theanthropy-rpa-for-business</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021
User Experience and Design	theanthropy pte ltd	<p>Overview</p> <p>A UX designer will consider the Why, What and How of product use. The Why involves the users' motivations for adopting a product, whether they relate to a task they wish to perform with it, or to values and views associated with the ownership and use of the product. The What addresses the things people can do with a product—its functionality. Finally, the How relates to the design of functionality in an accessible and aesthetically pleasant way. UX designers start with the Why before determining the What and then, finally, the How in order to create products that users can form meaningful experiences with. In software design, designers must ensure the product's "substance" comes through an existing device and offers a seamless, fluid experience.</p> <p>From industries such as consumer products to airlines, a great experience can retain loyal customers and make them your biggest advocates. However, the reverse is also true, poor experiences can quickly drive customers away. Building great user experiences is not a "mysterious art"; by applying user-centered design principles, any organisation can identify customer pain points and create delightful products and services for its users.</p> <p>This UX Foundation course focuses on the principles needed to design a good user experience in digital applications. It will cover the UX process and its integration into software development cycles as well as UX best practices. Students will also be given hands-on exposure to the UX life-cycle with an exercise to design, test and iteratively enhance a digital application.</p> <p>Learning Outcome</p> <p>On completion of the course, the students would be able to:</p> <ul style="list-style-type: none"> <li>Understand why UX matters and how organisations are using it to create products</li> <li>Understand frameworks and principles that make up a good user experience</li> <li>Understand how to prototype, test and iteratively enhance a digital product</li> </ul>	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/theanthropy-ux-and-design">https://www.imda.gov.sg/Intalent/training-and-courses/theanthropy-ux-and-design</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	theanthropy pte ltd	9145 3436	<a href="mailto:training@theanthropy.com">training@theanthropy.com</a>	12/8/2020	31/03/2021
ITIL Foundation Certificate in IT Service Management ITIL 4 Edition	Training Partners Pte Ltd	<p>Overview</p> <p>The purpose of the ITIL4 Foundation qualification is to introduce the management of modern IT-enabled services, to provide an understanding of the common language and key concepts and to show how the organisation and the work can improve with the ITIL 4 guidance.</p> <p>Learning Outcome</p> <p>Understand the key concepts of ITIL® service management</p> <p>Understand how ITIL® guiding principles can help an organisation to adopt and adapt ITIL® service management</p> <p>Understand the four dimensions of ITIL® service management</p> <p>Understand the purpose and components of the ITIL® service value system, and activities of the service value chain, and how they interconnect</p> <p>Understand the key concepts of continual improvement</p> <p>Learn the various ITIL® practices and how they contribute to value chain activities</p>	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/Training-Partners-ITIL-Foundation-Certificate-in-ITSM-4">https://www.imda.gov.sg/Intalent/training-and-courses/Training-Partners-ITIL-Foundation-Certificate-in-ITSM-4</a>	Training & Assessment	\$ 1,700	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Training Partners Pte Ltd	9728 0806	<a href="mailto:qisoon.chau@trainingpartners.com">qisoon.chau@trainingpartners.com</a>	12/8/2020	31/03/2021
AWS Big Data Specialist	Trainocate (S) Pte. Ltd.	<p>Overview</p> <p>Big Data on AWS introduces you to cloud-based big data solutions such as Amazon Elastic MapReduce (EMR), Amazon Redshift, Amazon Kinesis and the rest of the AWS big data platform. In this course, you will learn how to use Amazon EMR to process data using the broad ecosystem of Hadoop tools like Hive and Hue. You will understand how to create big data environments, work with Amazon DynamoDB, Amazon Redshift, Amazon QuickSight, Amazon Athena and Amazon Kinesis, and leverage best practices to design big data environments for security and cost-effectiveness.</p> <p>Learning Outcomes</p> <p>At the end of this course, participants will be able to:</p> <ul style="list-style-type: none"> <li>Fit AWS solutions inside of a big data ecosystem</li> <li>Leverage Apache Hadoop in the context of Amazon EMR</li> <li>Identify the components of an Amazon EMR cluster</li> <li>Launch and configure an Amazon EMR cluster</li> <li>Leverage common programming frameworks available for Amazon EMR including Hive, Pig, and Streaming</li> <li>Leverage Hue to improve the ease-of-use of Amazon EMR</li> <li>Use in-memory analytics with Spark on Amazon EMR</li> <li>Choose appropriate AWS data storage options to identify the benefits of using Amazon Kinesis for near real-time big data processing</li> <li>Leverage Amazon Redshift to efficiently store and analyze data</li> <li>Comprehend and manage costs and security for a big data solution identify options for ingesting, transferring, and compressing data</li> <li>Leverage Amazon Athena for ad-hoc query analytics</li> <li>Leverage AWS Glue to automate ETL workflows</li> <li>Use visualization software to depict data and queries using Amazon QuickSight</li> <li>Orchestrate big data workflows using AWS Data Pipeline</li> </ul>	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/trainocate-aws-big-data-specialist">https://www.imda.gov.sg/Intalent/training-and-courses/trainocate-aws-big-data-specialist</a>	Training & Assessment	\$ 3,820	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
AWS Certified Developer - Associate	Trainocate (S) Pte. Ltd.	<p>Overview</p> <p>AWS Technical Essentials - introduces you to AWS products, services, and common solutions. It provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements and get started working on AWS. In developing an AWS course, you learn how to use the AWS SDK to develop secure and Scalable cloud applications. Explore how to interact with AWS using code and also learn about key concepts, best practices, troubleshooting tips.</p> <p>The AWS Certified Developer - Associate exam validates technical expertise in developing and maintaining applications on the AWS platform. In this half-day, intermediate-level course, learn how to prepare for the exam by exploring the exam's topic areas, mapping them to developing on AWS, and identifying specific area to study. You will review sample exam questions in each topic area and learn how to interpret the concepts being tested so that you can better eliminate incorrect responses.</p> <p>Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console</p> <p>Understand the foundational services, including Amazon Elastic Compute Cloud (EC2), Amazon Virtual Private Cloud (VPC), Amazon Simple Storage Service (S3), and Amazon Elastic Block Store (EBS)</p> <p>Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM)</p> <p>Understand AWS database services, including Amazon DynamoDB and Amazon Relational Database Service (RDS)</p> <p>Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor</p>	<a href="https://www.imda.gov.sg/Intalent/training-and-courses/trainocate-aws-certified-developer-a-ot">https://www.imda.gov.sg/Intalent/training-and-courses/trainocate-aws-certified-developer-a-ot</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Trainocate (S) Pte. Ltd	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021

Programme Title	Training Provider	Purpose of Programme	Programme Website	Type of programme	Total Course and/or Exam Fees	Scheme	Skills Category	Skills and Competencies and Proficiency Level(PL)	Industry Segment	Methodology	Name of Contact Person	DID	Email	Validity Start	Validity End
AWS Certified DevOps Engineer - Professional	Trainocate (S) Pte. Ltd.	<p>Overview DevOps Engineering on AWS - demonstrates how to use the most common DevOps patterns to develop, deploy, and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small and medium-sized business, and enterprise development scenarios.</p> <p>The AWS Certified DevOps Engineer – Professional exam validates technical expertise in provisioning, operating, and managing distributed application systems on the AWS platform. Join this full-day, advanced-level course to learn how to prepare for the exam by exploring the exam's topic areas and how they map to DevOps on AWS and to specific areas to study. We will review sample exam questions in each topic area and teach you how to interpret the concepts being tested so that you can more easily eliminate incorrect responses. This course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small- and medium-sized business, and enterprise development scenarios.</p> <p>Learning Outcome Use the principal concepts and practices behind the DevOps methodology Design and implement an infrastructure on AWS that supports one or more DevOps development projects Use AWS CloudFormation and AWS OpsWorks to deploy the infrastructure necessary to create development, test, and production environments for a software development project Use AWS CodeCommit and AWS CodeBuild to understand the array of options for enabling a continuous integration (CI) environment on AWS Use AWS CodePipeline to design and implement a continuous integration and continuous delivery (CI/CD) pipeline on AWS Use AWS CodeStar to manage all software development activities in one place Implement several common continuous deployment (CD) use cases using AWS technologies, including blue/green deployment and A/B testing</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-devops-engineer-professional">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-devops-engineer-professional</a>	Training & Assessment	\$ 3,820	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
AWS Certified Security Specialist	Trainocate (S) Pte. Ltd.	<p>Overview This course demonstrates how to efficiently use AWS security services to stay secure in the AWS Cloud. The course also focuses on the security practices that AWS recommends for enhancing the security of your data and systems in the cloud. Other than highlights the security features of AWS key services including compute, storage, networking, and database services, you will also learn how to leverage AWS services and tools for automation, continuous monitoring and logging, and responding to security incidents.</p> <p>Learning Outcomes At the end of the course, participants will understand: Assimilate and leverage the AWS shared security responsibility model Architect and build AWS application infrastructures that are protected against the most common security threats Protect data at rest and in transit with encryption Apply security checks and analyses in an automated and reproducible manner Configure authentication for resources and applications in the AWS Cloud Gain insight into events by capturing, monitoring, processing, and analyzing logs Identify and mitigate incoming threats against applications and data Perform security assessments to ensure that common vulnerabilities are patched and security best practices are applied</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-security-specialist">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-security-specialist</a>	Training & Assessment	\$ 3,400	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
AWS Certified Solutions Architect - Associate	Trainocate (S) Pte. Ltd.	<p>Overview The AWS Certified Solutions Architect – Associate exam validates technical expertise in designing and deploying scalable, highly available, and fault-tolerant systems on AWS. Join this half-day, intermediate-level training to learn how to prepare for the exam by exploring the exam's topic areas and how they map to architecting on AWS and to specific areas to study. The course reviews sample exam questions in each topic area and teaches you how to interpret the concepts being tested so that you can more easily eliminate incorrect responses.</p> <p>Learning Outcomes Leverage AWS services to make your infrastructure scalable, reliable, and highly available Leverage AWS Managed Services to enable greater flexibility and resiliency in an infrastructure Make an AWS-based infrastructure more efficient to increase performance and reduce costs Use the Well-Architected Framework to improve architectures with AWS Solutions Navigate the logistics of the examination process Understand the exam structure and question types Identify how questions relate to AWS architectural concepts Interpret the concepts being tested by an exam question</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-solutions-architect-associate">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-solutions-architect-associate</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
AWS Certified Solutions Architect - Professional	Trainocate (S) Pte. Ltd.	<p>Overview Advanced Architecting on AWS - intended for individuals who are experienced with designing scalable and elastic applications on the AWS platform. Building on concepts introduced in Architecting on AWS, this course covers how to build complex solutions that incorporate data services, governance, and security on AWS. This course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS.</p> <p>Learning Outcome Manage multiple AWS accounts for your organization Connect an on-premises datacenter to the AWS Cloud Discuss billing implications of connecting multi-region VPCs Move large data from an on-premises datacenter to AWS Design large data stores for the AWS Cloud Understand different architectural designs for scaling a large website Protect your infrastructure from distributed denial of service (DDoS) attacks Secure your data on AWS with encryption Design protection of data at rest and data in transit Enhance the performance of your Solutions Select the most appropriate AWS deployment mechanism Understand the content domains and how AWS services map to them Combine multiple AWS services to solve complex architectural requirements Understand advanced concepts of core AWS services and associated Use cases Identify how questions are written to test AWS architectural concepts</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-solutions-architect-professional">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-solutions-architect-professional</a>	Training & Assessment	\$ 3,820	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
AWS Certified SysOps Administrator - Associate	Trainocate (S) Pte. Ltd.	<p>Overview AWS Technical Essentials introduces you to AWS products, services, and common solutions. It provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements and get started working on AWS.</p> <p>In Systems Operations on AWS course, you will learn how to create automatable and repeatable deployments of networks and systems on the AWS platform. We will explore the AWS features and tools related to configuration and deployment and best practices for configuring and deploying systems.</p> <p>The AWS Certified SysOps Administrator – Associate exam validates technical expertise in deployment, management, security, and operations on the AWS platform. Join this intermediate-level course to learn how to prepare for the exam by exploring the exam's topic areas and how they map to SysOps on AWS and to specific areas to study. The course reviews sample exam questions in each topic area and teaches you how to interpret the concepts being tested so that you can more easily eliminate incorrect responses.</p> <p>Learning Outcome Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console Understand the foundational services, including Amazon Elastic Compute Cloud (EC2), Amazon Virtual Private Cloud (VPC), Amazon Simple Storage Service (S3), and Amazon Elastic Block Store (EBS) Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM) Understand AWS database services, including Amazon DynamoDB and Amazon Relational Database Service (RDS) Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor Understand the AWS infrastructures as it related to system operations such as the global infrastructure, core services and account security Use the AWS Command Line Interface, and understand additional administration and development tools Manage, secure, and scale compute instances on AWS Identify container services and services available for serverless computing</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-sysops-administrator">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-aws-certified-sysops-administrator</a>	Training & Assessment	\$ 4,250	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Blended Style	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021

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DevOps Foundation	Trainocate (S) Pte. Ltd.	<p>Overview This course provides an introduction to DevOps—the cultural and professional movement that stresses communication, collaboration, integration, and automation in order to improve the flow of work between software developers and IT operations professionals. Improved workflows will result in an improved ability to design, develop, deploy and operate software and services faster.</p> <p>Learning Outcomes The learning objectives for DevOps Foundation include an understanding of: DevOps objectives and vocabulary Benefits to the business and IT Principles and practices including Continuous Integration, Continuous Delivery, testing, security and the Three Ways DevOps relationship to Agile, Lean and ITSM Improved workflows, communication and feedback loops Automation practices including deployment pipelines and DevOps toolchains Scaling DevOps for the enterprise Critical success factors and key performance indicators Real-life examples and results</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate%20DevOps%20Foundation">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate%20DevOps%20Foundation</a>	Training & Assessment	\$ 1,850	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
Enterprise Big Data Professional	Trainocate (S) Pte. Ltd.	<p>Overview Big Data is not just about storing and managing data but also about using it effectively, efficiently to transform the way business make decisions.</p> <p>The Enterprise Big Data Professional (EBDP) course is the only vendor-independent program that is dedicated to applying Big Data Best Practices towards enterprise organisations. This course is the first level of the Big Data Framework course curriculum and certification program that is globally recognised. BigData Framework is an independent organisation dedicated to upskilling individuals with expertise in Big Data.</p> <p>This course is provided in partnership with Sapience Consulting Pte. Ltd.</p> <p>Learning Outcomes Led by qualified trainers and facilitators, the course provide candidates with a strong foundation of the fundamental concepts and theories of big data technologies and tools, supporting them and their organisation in leveraging the potential benefits, which includes: Discovery of new patterns and data relationships impacting the business A greater understanding of customers to more precisely target products and services Enhanced decision-making by collecting more exact and detailed information Greater ability to accurately predict business outcomes and trends Accelerate the identification and correction of operational problems Improve the development of new and existing products and services</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-Enterprise-Big-Data-Professional">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-Enterprise-Big-Data-Professional</a>	Training & Assessment	\$ 1,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
ITIL 4 Managing Professional Transition	Trainocate (S) Pte. Ltd.	<p>Overview ITIL4 will help businesses navigate the new technological era, commonly known as the Fourth Industrial Revolution.</p> <p>The ITIL4 Managing Professional (MP) Transition course and bridging examination will enable the senior ITSM practitioner who have already attained or is one step away from attaining the ITIL Expert designation to attain the MP designation. It maps the ITIL v3 Service Lifecycle with ITIL4's Service Value System and explores key concepts and practices within ITIL4.</p> <p>Learning Outcomes At the end of this course, participants will be able to: Understand and map differences between ITILV3 and ITIL4 models Understand the Service Value System and its constituent components Learn key concepts associated with ITIL4 Practice exams and guided examination preparation from experienced educators and consultants</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-ITIL4-Managing-Professional-Transition-PT">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-ITIL4-Managing-Professional-Transition-PT</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
ITIL 4 Strategist: Direct, Plan and Improve	Trainocate (S) Pte. Ltd.	<p>Overview The ITIL4 Strategist: Direct, Plan and Improve (DPI) course helps ITSM practitioners acquire further insight into ITIL4 specifically in the areas that contribute to creating and sustaining an IT organisation steeped in the growth mindset. The course covers both practical and strategic elements related to improvement. Lean and Agile methodologies and techniques, a feature of ITIL4, is embedded into directing, planning and improving services in support of business objectives. This interactive course is indispensable to the development of the modern day technologist and ITSM practitioner and leader in modern IT organisations seeking to innovate and improve IT services delivered to the business.</p> <p>Learning Outcomes At the end of the course, participants will understand: The key concepts of Direct, Plan and Improve The scope, principles and methods of what to be directed and planned The role of GRC and how to integrate the principles and methods into the service value system How to use the key principles and methods of continual improvement, organisational change management, communication, measurement and reporting Understand and know how to direct, plan and improve value streams</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-ITIL-4-Strategist-DI">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-ITIL-4-Strategist-DI</a>	Training & Assessment	\$ 2,950	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
ITIL Foundation Certificate in IT Service Management ITIL 4 Edition	Trainocate (S) Pte. Ltd.	<p>Overview ITIL4 will help businesses navigate the new technological era, commonly known as the Fourth Industrial Revolution. The Fourth Industrial Revolution is marked by emerging technology in fields including robotics, artificial intelligence, nanotechnology, quantum computing, biotechnology, the Internet of Things (IoT), 3D printing, autonomous vehicles and much more. ITIL4 provides a practical and flexible basis to support organisations on their journey into the new world of digital transformation by helping them align their human, digital and physical resources, adopt emerging technologies into their IT operation.</p> <p>Learning Outcomes At the end of the course, participants will understand: Key service management concepts How the ITIL guiding principles can help an organisation adopt and adapt service management The four dimensions of service management The purpose and components of the ITIL service value system The activities of the service value chain, and how they interconnect Re purpose and key terms of selected ITIL practices with focus on key selected practices</p>	<a href="https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-Foundation-Certificate-in-IT-Service-Management">https://www.imda.gov.sg/infocentre/training-and-courses/trainocate-Foundation-Certificate-in-IT-Service-Management</a>	Training & Assessment	\$ 1,800	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021

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Microsoft Certified: Azure Solutions Architect Expert	Trainocate (S) Pte. Ltd.	<p>Overview</p> <p>This course teaches IT Professionals how to manage Azure resources, including deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities. In this course, participants will learn:</p> <p>How cloud resources are managed in Azure through user and group accounts</p> <p>How to grant access to Azure AD users, groups, and services using Role-based access control (RBAC)</p> <p>About the different storage accounts and services as well as basic data replication concepts and available replication schemes</p> <p>How to use Storage Explorer, a convenient way to work with Azure storage data</p> <p>Types of storage and how to work with managed and custom disks</p> <p>How to manage security and identity within the context of Azure</p> <p>Multiple SaaS services available in Azure for integration into existing Azure solutions</p> <p>Learning Outcomes</p> <p>At the end of this course, participants will be able to:</p> <p>Manage Azure Subscriptions and Resources</p> <p>Implement and Manage Storage</p> <p>Deploy and Manage VMs</p> <p>Configure and Manage Virtual Networks</p> <p>Manage Identities using Azure Active Directory</p> <p>Evaluate and Perform Server Migration to Azure</p> <p>Implement and Manage Application Services</p> <p>Implement Advanced Virtual Networking</p> <p>Secure Identities using Azure AD.</p> <p>Design and Connectivity Patterns</p> <p>Hybrid Networking</p> <p>Address Durability of Data and Caching</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/trainocate-microsoft-certified-azure-solutions-architect-expert">https://www.imda.gov.sg/infotalent/training-and-courses/trainocate-microsoft-certified-azure-solutions-architect-expert</a>	Training & Assessment	\$ 6,300	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
VMware Certified Professional - Data Center Virtualization 2020	Trainocate (S) Pte. Ltd.	<p>Overview</p> <p>This five-day course features intensive hands-on training that focuses on installing, configuring and managing VMware vSphere 6.7 which includes VMware ESXi 6.7 and VMware vCenter Server 6.7. Other than preparing you to administer a vSphere infrastructure for an organisation of any size, this course is the foundation for most of the other VMware technologies in the software-defined data center.</p> <p>Learning Outcomes</p> <p>At the end of the course, participants will be able to:</p> <p>Describe the software-defined data center</p> <p>Explain the vSphere components and their function in the infrastructure</p> <p>Deploy an ESXi host</p> <p>Deploy VMware vCenter Server Appliance</p> <p>Use a local content library as ISO store and deploy a virtual machine</p> <p>Describe vCenter architecture</p> <p>Use vCenter Server to manage an ESXi host</p> <p>Configure and manage vSphere infrastructure with VMware Host Client and VMware vSphere Web Client</p> <p>Describe virtual networks with vSphere standard switches</p> <p>Configure standard switch policies</p> <p>Use vCenter Server to manage various types of host storage: VMware vSphere VMFS, NFS local and RDM</p> <p>Examine the features and functions of fibre channel and VMware vSAN. Manage virtual machines, templates, clones and snapshots</p> <p>Create clone and deploy a vApp</p> <p>Describe and use the content library</p> <p>Migrate virtual machines with VMware vSphere vMotion</p> <p>Use VMware vSphere Storage vMotion to migrate virtual machine storage</p> <p>Monitor resource usage and manage resource pools</p> <p>Use esxtop to identify and solve performance issues</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/trainocate-vmware-certified-professional">https://www.imda.gov.sg/infotalent/training-and-courses/trainocate-vmware-certified-professional</a>	Training & Assessment	\$ 4,825	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Trainocate (S) Pte. Ltd.	6332 2330	<a href="mailto:singapore@trainocate.com">singapore@trainocate.com</a>	12/8/2020	31/03/2021
Digital Business Essentials: Framework for Building and Growing Digital Ventures	Wellderly Private Limited	<p>Overview</p> <p>This practical digital business essentials course provides the learners with a comprehensive understanding of product strategy to identify product-market fit for digital businesses, latest trends in the digital marketing landscape, and helps learners to prepare for future opportunities by staying industry-relevant. The course toolkit is designed to guide learners' data decision-making when using emerging digital marketing channels to enhance business performance.</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/wellderly-digital-business-essentials">https://www.imda.gov.sg/infotalent/training-and-courses/wellderly-digital-business-essentials</a>	Training & Assessment	\$ 2,500	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	Wellderly Private Limited	8758 2549	<a href="mailto:jamine@wellderly.sg">jamine@wellderly.sg</a>	12/8/2020	31/03/2021
Professional Scrum Master I	WHY INNOVATION! PTE. LTD.	<p>Overview</p> <p>This course provides the concrete know-how on the practices that are required to be an effective Scrum Master. It presents in detail the agile processes and team dynamics, with a strong emphasis on the role of Scrum Master.</p> <p>This course covers the benefits of an Agile approach working with Scrum, highlighting the differences between Scrum and the traditional development methodologies. Moreover, the power of visual management, pursuing and resolving impediments are made clear to trainees by means of practical exercises. Class format consists of workshops, visual media, and interactive activities.</p> <p>Learning Outcome</p> <p>Agile Overview</p> <p>Overview of Agile Method</p> <p>Scrum - Agile Project Management</p> <p>Team Dynamics</p> <p>Managing Requirements</p> <p>Scrum Process &amp; Meetings</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/why-professional-of-scrum-master">https://www.imda.gov.sg/infotalent/training-and-courses/why-professional-of-scrum-master</a>	Training & Assessment	\$ 210	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	WHY INNOVATION! PTE. LTD.	6635 6656	<a href="mailto:esther.siah@why-innovation.com">esther.siah@why-innovation.com</a>	12/8/2020	31/03/2021
Professional Scrum Product Owner I	WHY INNOVATION! PTE. LTD.	<p>Overview</p> <p>This course focuses on the responsibilities of the Product Owner. It explains the key activities of a Product Owner: define the product vision, product strategy, stakeholders management, requirement management that focuses on customers value.</p> <p>This course will also cover techniques on how to collaborate with stakeholders and development teams, ensuring a continuous feedback and delivering early value. The course goes beyond Scrum Guide, provides real world scenarios, covers total cost of ownership (TCO) and return on investment (ROI), etc.</p> <p>Learning Outcome</p> <p>Agile Overview</p> <p>Overview of Agile Method</p> <p>The position of The Product Owner</p> <p>Mission of The Product Owner</p> <p>Product Management</p> <p>Scrum deliverables of a Product Owner</p> <p>Managing Backlog &amp; Sprint Perimeter</p>	<a href="https://www.imda.gov.sg/infotalent/training-and-courses/why-professional-scrum-product-owner">https://www.imda.gov.sg/infotalent/training-and-courses/why-professional-scrum-product-owner</a>	Training & Assessment	\$ 2,600	FTS	C. Data Analytics and Information Technology Management	C11. Technology Application (PL4)	Financial Services	Classroom	WHY INNOVATION! PTE. LTD.	6635 6656	<a href="mailto:esther.siah@why-innovation.com">esther.siah@why-innovation.com</a>	12/8/2020	31/03/2021