

# GovTech Digital Academy (DA) Upskilling Guide

Check out the upskilling opportunities available for your job role with DA Upskilling Guide.

By advancing digital transformations, building the Singapore core, let's support Singapore's Smart Nation initiative with GovTech Digital Academy (DA).



Learn more at

[thedigitalacademy.tech.gov.sg](https://thedigitalacademy.tech.gov.sg)

## DA Upskilling Guide

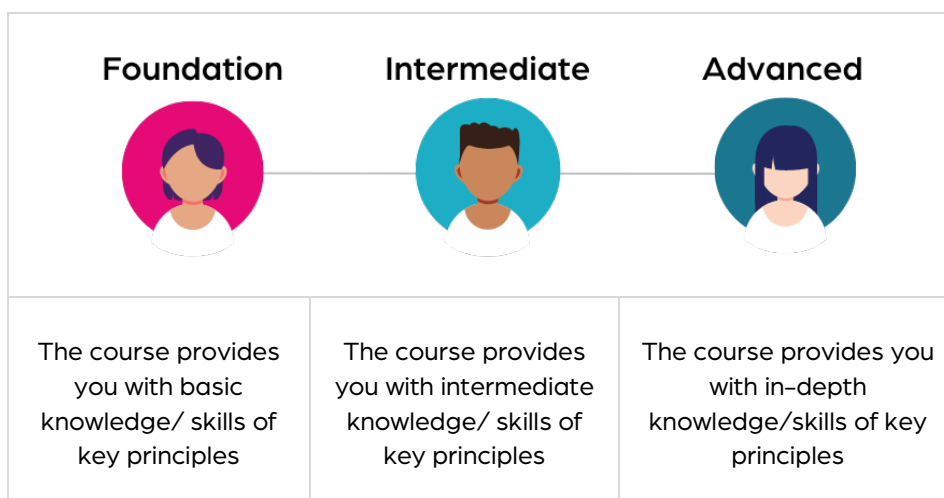
This DA Upskilling Guide helps guide your learning needs. Find out which how GovTech Digital Academy (DA) maps its courses or find out which DA courses you should take, based on your job role.

### a. Competency Frameworks

DA's suite of learnings is anchored on both the GovTech Competency Framework ([GTCF\\*](#)) and SNDGO's WOG ICT&SS Competency Framework ([ICT&SS CF](#)) and guided by competency gaps identified by ICT&SS practice leads, and agencies' needs through the Digital Maturity Index and Ministry Family Digitalisation Plan.

### b. Course Levels

DA courses provides courses that spans from Foundation to Advanced so that you can upskill based on your needs.



### c. Functional Clusters

There are 12 Functional Clusters.

1. ICT Infrastructure	2. Applications Infrastructure	3. Applications Development	4. Applications Management
5. Technology Management	6. Product Management	7. Data Science & AI	8. Sensors & Internet of Things
9. Cybersecurity	10. ICT Governance	11. GIROC	

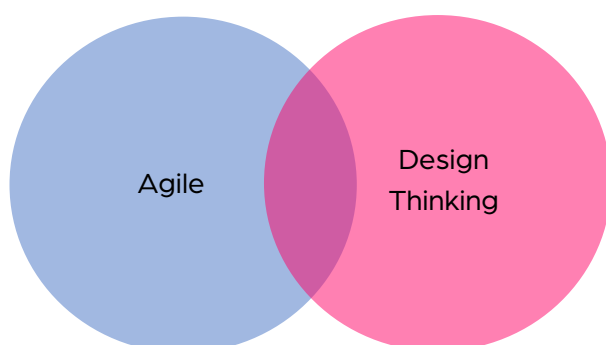
#### d. Job Roles by Functional Clusters

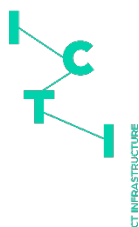
Get started on your upskilling journey – click on your Job Role to view the courses you should take to build your competencies.

<b>1. ICT Infrastructure</b> ★ <ul style="list-style-type: none"> <li><a href="#">Infrastructure Engineer</a></li> <li><a href="#">Infrastructure Architect</a></li> </ul>	<b>2. Applications Infrastructure</b> ★ <ul style="list-style-type: none"> <li><a href="#">App Infra Engineer</a></li> <li><a href="#">App Infra Architect</a></li> <li><a href="#">App Infra Manager</a></li> </ul>	<b>3. Applications Development</b> <ul style="list-style-type: none"> <li><a href="#">Software Engineer</a></li> <li><a href="#">DevOps Engineer</a></li> <li><a href="#">Quality Engineer</a></li> <li><a href="#">Delivery Manager</a></li> <li><a href="#">UX Designer</a></li> </ul>	<b>4. Applications Management</b> <ul style="list-style-type: none"> <li><a href="#">Digital Services Manager</a></li> <li><a href="#">Digital Business Analysts</a></li> <li><a href="#">Solution Architect</a></li> <li><a href="#">Project Manager (Agile)</a></li> </ul>
<b>5. Technology Management</b> <ul style="list-style-type: none"> <li><a href="#">CIO</a></li> </ul>	<b>6. Product Management</b> ★ <ul style="list-style-type: none"> <li><a href="#">Engagement Manager</a></li> <li><a href="#">Product Manager</a></li> </ul>	<b>7. Data Science &amp; AI</b> ★ <ul style="list-style-type: none"> <li><a href="#">Data Engineer</a></li> <li><a href="#">Computational Scientist</a></li> <li><a href="#">Quantitative Analyst</a></li> <li><a href="#">AI Engineer</a></li> <li><a href="#">Chief Data Officer</a></li> <li><a href="#">Chief Strategy Officer</a></li> <li><a href="#">Data Policy Officer</a></li> <li><a href="#">Data Architect</a></li> </ul>	<b>8. Sensors &amp; Internet of Things</b> <ul style="list-style-type: none"> <li><a href="#">Embedded Engineer</a></li> <li><a href="#">Systems Engineer</a></li> <li><a href="#">Robotics Engineer</a></li> <li><a href="#">R&amp;D Engineer</a></li> </ul>
<b>9. Cybersecurity</b> ★ <ul style="list-style-type: none"> <li><a href="#">CISO</a></li> <li><a href="#">Cybersecurity Engineer</a></li> <li><a href="#">Cybersecurity Policy Developer</a></li> <li><a href="#">Red Team Engineer</a></li> <li><a href="#">Data Security Officer</a></li> <li><a href="#">Security Testing Engineer</a></li> </ul>	<b>10. ICT Governance [Coming soon!]</b> <ul style="list-style-type: none"> <li><a href="#">ICT&amp;SS Auditor</a></li> <li><a href="#">ICT&amp;SS Policy Specialist</a></li> <li><a href="#">ICT&amp;SS Procurement Specialist</a></li> <li><a href="#">ICT&amp;SS Procurement Specialist (Policy)</a></li> <li><a href="#">ICT&amp;SS Risk Specialist</a></li> </ul>	<b>11. GIROC</b> <ul style="list-style-type: none"> <li><a href="#">ICT&amp;SS Incident Management Officer</a></li> </ul>	<b>12. Others</b> <ul style="list-style-type: none"> <li><a href="#">Public Service Leaders</a></li> <li><a href="#">Public Service Officers</a></li> </ul>

#### e. Cross-Cutting Areas

★ Alternatively click on the cross-cutting areas to view the courses you should take to build your competencies.





## ICT Infrastructure

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

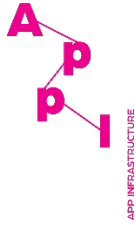
Job Roles	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>INFRA ENGINEER:</b> Design, install, operate and maintain the IT infrastructure hardware and software components.	✓			<a href="#">[ID3] DevOps Foundation</a>		
	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			<a href="#">[ID148] Google Cloud Fundamentals: Core Infrastructure</a>		
	✓			<a href="#">[ID150] Google Cloud Big Data and ML Fundamentals</a>		
	✓			<a href="#">[ID156] From Data to Insights with Google Cloud Platform</a>		
	✓			[ID170] AWS Certified Cloud Practitioner		
	✓			[ID199] SRE Foundation		
	✓			[ID200] DevOps Engineering Foundation		
	✓			[ID208] Google Cloud Digital Leader		
		✓		<a href="#">[ID8] ISTQB – Agile Tester Extension Foundation Level Certification</a>		20 – 21 Apr 2023 22 – 23 Jun 2023 25 – 26 Jan 2024
		✓		<a href="#">[ID15] AZ-104 Microsoft Azure Administrator</a>		6 – 9 Mar 2023
		✓		<a href="#">[ID16] Exam Readiness: AWS Certified Solutions Architect – Associate</a>		
		✓		<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓		<a href="#">[ID71] Exam Readiness: AWS Certified SysOps Administrator – Associate</a>		
		✓		<a href="#">[ID73] CompTIA Cloud+</a>		22 – 26 May 2023 6 – 10 Nov 2023
		✓		<a href="#">[ID74] ISTQB Certified Tester Foundation Level (CTFL)</a>		1 – 3 Feb 2023 3 – 5 May 2023 30 Aug – 1 Sep 2023 15 – 17 Nov 2023
		✓		<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
		✓		<a href="#">[ID80] Systems Operations on AWS + SysOps JAM</a>		7 – 10 Feb 2023
		✓		<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023

					18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
	✓		<a href="#">[ID105C] AZ-204 Microsoft Developing Solutions for Microsoft Azure by Trainocate</a>		
	✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps JAM</a>		27 – 30 Mar 2023
	✓		<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023
	✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
	✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
	✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
	✓		<a href="#">[ID149] Architecting with Google Compute Engine</a>		
	✓		<a href="#">[ID151] Data Engineering on Google Cloud</a>		
	✓		<a href="#">[ID152] Machine Learning on Google Cloud</a>		
	✓		<a href="#">[ID153] Getting Started with Google Kubernetes Engine</a>		
	✓		<a href="#">[ID154] Architecting with Google Cloud Design and Process</a>		
	✓		<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
	✓		[ID172] AWS Certified Developer – Associate		
	✓		<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
	✓		[ID201] SRE Practitioner		
	✓		[ID202] DevSecOps Practitioner		
	✓		[ID204] AWS Certified Developer Associate		
	✓		[ID205] Azure Developer Associate		
	✓		[ID210] Google Cloud Associate Cloud Engineer		
	✓		<a href="#">[ID7] ISTQB® Test Automation Engineer (CT-TAE)</a>		27 – 29 Mar 2023 17 – 19 Jul 2023 9 – 11 Oct 2023 19 – 21 Feb 2024
	✓		<a href="#">[ID109] Exam Readiness: AWS Certified DevOps Engineer – Professional</a>		10 Apr 2023
	✓		<a href="#">[ID167] AZ-305 Designing Microsoft Azure Infrastructure Solutions</a>		27 Feb – 2 Mar 2023 27 – 30 Mar 2023
	✓		[ID174] AWS Certified DevOps Engineer – Professional		
	✓		[ID176] AWS Certified Advanced Networking – Specialty		
	✓		[ID177] AWS Certified Security – Specialty		
	✓		<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
	✓		<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
	✓		[ID203] DevOps Leader		
	✓		[ID206] Azure DevOps Engineer Expert		
	✓		[ID207] Google Cloud DevOps Engineer		
	✓		[ID209] Google Cloud Professional Cloud Architect		

<b>INFRA ARCHITECT:</b> Design and maintain IT infrastructure architecture to ensure tight integration and interoperability across all infrastructure components.	✓		<a href="#">[ID3] DevOps Foundation</a>		
	✓		<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓		<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓		<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓		<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓		<a href="#">[ID148] Google Cloud Fundamentals: Core Infrastructure</a>		
	✓		<a href="#">[ID150] Google Cloud Big Data and ML Fundamentals</a>		
	✓		<a href="#">[ID156] From Data to Insights with Google Cloud Platform</a>		
	✓		[ID170] AWS Certified Cloud Practitioner		
	✓		[ID199] SRE Foundation		
	✓		[ID200] DevOps Engineering Foundation		
	✓		[ID208] Google Cloud Digital Leader		
		✓	<a href="#">[ID8] ISTQB – Agile Tester Extension Foundation Level Certification</a>		20 – 21 Apr 2023 22 – 23 Jun 2023 25 – 26 Jan 2024
		✓	<a href="#">[ID16] Exam Readiness: AWS Certified Solutions Architect – Associate</a>		
		✓	<a href="#">[ID25] Evaluating Software Architecture</a>		6 – 7 Feb 2023 4 – 5 May 2023 28 – 29 Aug 2023 6 – 7 Nov 2023 1 – 2 Feb 2024
		✓	<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓	<a href="#">[ID73] CompTIA Cloud+</a>		22 – 26 May 2023 6 – 10 Nov 2023
		✓	<a href="#">[ID74] ISTQB Certified Tester Foundation Level (CTFL)</a>		1 – 3 Feb 2023 3 – 5 May 2023 30 Aug – 1 Sep 2023 15 – 17 Nov 2023
		✓	<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
		✓	<a href="#">[ID80] Systems Operations on AWS + SysOps JAM</a>		7 – 10 Feb 2023
		✓	<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023 18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
		✓	<a href="#">[ID107] Advanced Architecting on AWS + Arc JAM</a>		27 Feb – 2 Mar 2023
		✓	<a href="#">[ID110A] Exam Readiness: AWS Certified Solutions Architect – Professional</a>		
		✓	<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023
		✓	<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		
		✓	<a href="#">[ID116] Exam readiness: AWS Certified Data Analytics – Specialty</a>		
		✓	<a href="#">[ID135A] (ISC)<sup>2</sup> Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023

	✓	<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
	✓	<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
	✓	<a href="#">[ID149] Architecting with Google Compute Engine</a>		
	✓	<a href="#">[ID151] Data Engineering on Google Cloud</a>		
	✓	<a href="#">[ID152] Machine Learning on Google Cloud</a>		
	✓	<a href="#">[ID153] Getting Started with Google Kubernetes Engine</a>		
	✓	<a href="#">[ID154] Architecting with Google Cloud Design and Process</a>		
	✓	<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
	✓	[ID172] AWS Certified Developer – Associate		
	✓	<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
	✓	[ID201] SRE Practitioner		
	✓	[ID202] DevSecOps Practitioner		
	✓	[ID204] AWS Certified Developer Associate		
	✓	[ID205] Azure Developer Associate		
	✓	[ID210] Google Cloud Associate Cloud Engineer		
	✓	<a href="#">[ID7] ISTQB® Test Automation Engineer (CT-TAE)</a>		27 – 29 Mar 2023 17 – 19 Jul 2023 9 – 11 Oct 2023 19 – 21 Feb 2024
	✓	<a href="#">[ID40A] Certified Enterprise Architecture Practitioner Course</a>		14 – 30 Mar 2023 26 Jun – 13 Jul 2023 11 – 27 Oct 2023
	✓	<a href="#">[ID167] AZ-305 Designing Microsoft Azure Infrastructure Solutions</a>		27 Feb – 2 Mar 2023 27 – 30 Mar 2023
	✓	[ID176] AWS Certified Advanced Networking – Specialty		
	✓	[ID177] AWS Certified Security – Specialty		
	✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
	✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023

[Go Back to Job Roles](#)



## App Infrastructure

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

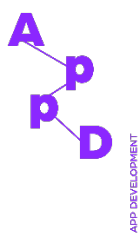
Job Roles	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>APP INFRA ENGINEER:</b> Design, implement, operate and maintain technologies and services connecting applications to infrastructure.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			[ID170] AWS Certified Cloud Practitioner		
		✓		<a href="#">[ID15] AZ-104 Microsoft Azure Administrator</a>		6 – 9 Mar 2023
		✓		<a href="#">[ID16] Exam Readiness: AWS Certified Solutions Architect – Associate</a>		
		✓		<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓		<a href="#">[ID71] Exam Readiness: AWS Certified SysOps Administrator – Associate</a>		
		✓		<a href="#">[ID80] Systems Operations on AWS + SysOps JAM</a>		7 – 10 Feb 2023
		✓		<a href="#">[ID105C] AZ-204 Microsoft Developing Solutions for Microsoft Azure by Trainocate</a>		
		✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps JAM</a>		27 – 30 Mar 2023
		✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓		<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
		✓		[ID172] AWS Certified Developer – Associate		
		✓		<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		



		✓	<a href="#">[ID109] Exam Readiness: AWS Certified DevOps Engineer – Professional</a>		10 Apr 2023
		✓	<a href="#">[ID167] AZ-305 Designing Microsoft Azure Infrastructure Solutions</a>		27 Feb – 2 Mar 2023 27 – 30 Mar 2023
		✓	[ID174] AWS Certified DevOps Engineer – Professional		
		✓	[ID176] AWS Certified Advanced Networking – Specialty		
		✓	[ID177] AWS Certified Security – Specialty		
		✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
		✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>APP INFRA ARCHITECT:</b> Design, maintain technologies and services connecting applications to infrastructure for integration and interoperability.	✓		<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓		[ID170] AWS Certified Cloud Practitioner		
		✓	<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓	<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
		✓	<a href="#">[ID107] Advanced Architecting on AWS + Advanced Architecture JAM</a>		27 Feb – 2 Mar 2023
		✓	<a href="#">[ID110A] Exam Readiness: AWS Certified Solutions Architect – Professional</a>		
		✓	<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		
		✓	<a href="#">[ID116] Exam readiness: AWS Certified Data Analytics – Specialty</a>		
		✓	<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓	<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓	<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓	<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
		✓	[ID172] AWS Certified Developer – Associate		
		✓	<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
		✓	<a href="#">[ID40A] Certified Enterprise Architecture Practitioner Course</a>		14 – 30 Mar 2023 26 Jun – 13 Jul 2023 11 – 27 Oct 2023
		✓	<a href="#">[ID167] AZ-305 Designing Microsoft Azure Infrastructure Solutions</a>		27 Feb – 2 Mar 2023 27 – 30 Mar 2023
		✓	[ID176] AWS Certified Advanced Networking – Specialty		

		✓	[ID177] AWS Certified Security – Specialty		
		✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
		✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>APP INFRA MANAGER:</b> Manage the application infrastructure requirements of the agency and ensure that the needs of the agency in these areas are met.	✓		<a href="#">[ID3] DevOps Foundation</a>		
	✓		<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓		<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓		<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
		✓	<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023 18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
		✓	<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓	<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓	<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023

[Go Back to Job Roles](#)



## App Development

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Roles	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>SOFTWARE ENGINEER:</b> Design, develop, test and deployment of software.	✓			<a href="#">[ID3] DevOps Foundation</a>		
	✓			<a href="#">[ID12] Certified Software Testing Professional (CSTP)</a>		
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			[ID170] AWS Certified Cloud Practitioner		
		✓		<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓		<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓		<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023 18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
		✓		<a href="#">[ID93] Web Analytics &amp; SEO</a>		14 – 16 Feb 2023 17 – 19 May 2023 28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
		✓		<a href="#">[ID105C] AZ-204 Microsoft Developing Solutions for Microsoft Azure</a>		
		✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps JAM</a>		27 – 30 Mar 2023
		✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of</a>		27 – 31 Mar 2023 4 – 10 May 2023

				<a href="#">Knowledge (CCSP CBK) Training Seminar</a>		10 – 14 Jul 2023 16 – 20 Oct 2023
		✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓		<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
		✓		[ID172] AWS Certified Developer – Associate		
		✓		<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
		✓		<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
		✓		<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
			✓	<a href="#">[ID109] Exam Readiness: AWS Certified DevOps Engineer – Professional</a>		10 Apr 2023
			✓	[ID174] AWS Certified DevOps Engineer – Professional		
			✓	[ID176] AWS Certified Advanced Networking – Specialty		
			✓	[ID177] AWS Certified Security – Specialty		
			✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
			✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>DEVOPS ENGINEER:</b> Design, operate and maintain system infrastructure for application development and deployment, as well as improving communication and collaboration in organisation(s).	✓			<a href="#">[ID3] DevOps Foundation</a>		
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			[ID170] AWS Certified Cloud Practitioner		
	✓			[ID199] SRE Foundation		
	✓			[ID200] DevOps Engineering Foundation		
	✓			[ID208] Google Cloud Digital Leader		
		✓		<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓		<a href="#">[ID42] Containers for Deploying and Scaling Apps</a>		7 – 10 Mar 2023 5 – 8 Jun 2023 25 – 28 Sep 2023 4 – 7 Dec 2023 11 – 14 Mar 2024
		✓		<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023 18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
		✓		<a href="#">[ID105C] AZ-204 Microsoft Developing Solutions for Microsoft Azure</a>		
		✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps Engineering Jam</a>		27 – 30 Mar 2023
		✓		<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023

	✓		[ID172] AWS Certified Developer – Associate		
	✓		<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
	✓		<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
	✓		<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
	✓		[ID201] SRE Practitioner		
	✓		[ID202] DevSecOps Practitioner		
	✓		[ID210] Google Cloud Associate Cloud Engineer		
		✓	<a href="#">[ID109] Exam Readiness: AWS Certified DevOps Engineer – Professional</a>		10 Apr 2023
		✓	[ID174] AWS Certified DevOps Engineer – Professional		
		✓	[ID176] AWS Certified Advanced Networking – Specialty		
		✓	[ID177] AWS Certified Security – Specialty		
		✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
		✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
		✓	[ID203] DevOps Leader		
		✓	[ID206] Azure DevOps Engineer Expert		
		✓	[ID207] Google Cloud DevOps Engineer		
		✓	[ID209] Google Cloud Professional Cloud Architect		
<b>QUALITY ENGINEER:</b> design solutions to meet user-centered requirements and to enhance user experience.	✓		<a href="#">[ID12] Certified Software Testing Professional (CSTP)</a>		
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
		✓	<a href="#">[ID6] ISTQB – Advanced Level Agile Technical Tester (CTAL-ATT)</a>		27 – 28 Apr 2023 28 – 29 Sep 2023 1 – 2 Feb 2024
		✓	<a href="#">[ID8] ISTQB – Agile Tester Extension Foundation Level Certification</a>		20 – 21 Apr 2023 22 – 23 Jun 2023 25 – 26 Jan 2024
		✓	<a href="#">[ID11] SEC542: Web App Penetration Testing and Ethical Hacking</a>		6 – 11 Mar 2023
		✓	<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓	<a href="#">[ID74] ISTQB Certified Tester Foundation Level (CTFL)</a>		1 – 3 Feb 2023 3 – 5 May 2023 30 Aug – 1 Sep 2023 15 – 17 Nov 2023
		✓	<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
		✓	<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
		✓	<a href="#">[ID7] ISTQB® Test Automation Engineer (CT-TAE)</a>		27 – 29 Mar 2023 17 – 19 Jul 2023 9 – 11 Oct 2023 19 – 21 Feb 2024
		✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		
		✓	[ID177] AWS Certified Security – Specialty		

			✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>DELIVERY MANAGER:</b> Evaluate and recommend software engineering practices that are aligned to agile methodologies.	✓			<a href="#">[ID3] DevOps Foundation</a>		
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
		✓		<a href="#">[ID5] Certified Scrum Product Owner</a>	Agile	9 – 10 Mar 2023 19 – 20 Jun 2023 2 – 3 Oct 2023 7 – 8 Dec 2023 4 – 5 Mar 2024
		✓		<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓		<a href="#">[ID14] Agile Methodology Workshop^</a>	Agile	
		✓		<a href="#">[ID84] Automating Infrastructure Provisioning and Configuration</a>		22 – 24 Mar 2023 26 – 28 Jun 2023 18 – 20 Sep 2023 11 – 13 Dec 2023 25 – 27 Mar 2024
<b>UX DESIGNER:</b> gather and analyse users' insight.		✓		<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
		✓		<a href="#">[ID27A] Coaching Clinic for Service Design</a>	Service Design	
		✓		<a href="#">[ID93] Web Analytics &amp; SEO</a>		14 – 16 Feb 2023 17 – 19 May 2023 28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
			✓	<a href="#">[ID94] Digital User Experience Design</a>		17 – 19 Apr 2023 10 – 12 Jul 2023 16 – 18 Oct 2023 15 – 17 Jan 2024
			✓	<a href="#">[ID94A] Coaching Clinic for Digital User Experience Design</a>		

[Go Back to Job Roles](#)



## App Management

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>DIGITAL SERVICES MANAGER</b> Lead and manage the delivery and operations of digital services, including ICT governance and stakeholder engagement to achieve digital services transformation for the agency.	✓			<a href="#">[ID3] DevOps Foundation</a>		
	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID20] Certified ScrumMaster</a>	Agile	20 – 21 Mar 2023 15 – 16 May 2023 28 – 29 Sep 2023 14 – 15 Dec 2023 25 – 26 Mar 2024
	✓			<a href="#">[ID21] Data Analytics for IT Professionals</a>		13 – 14 Feb 2023 8 – 9 May 2023 21 – 22 Aug 2023 6 – 7 Nov 2023
	✓			<a href="#">[ID22] Data Technology &amp; Management for IT Professionals</a>		23 – 24 Mar 2023 8 – 9 Jun 2023 14 – 15 Sep 2023 4 – 5 Dec 2023
	✓			<a href="#">[ID26] Business Analysis for Agile Practitioners</a>	Agile	24 – 25 Apr 2023 3 – 4 Jul 2023 2 – 3 Oct 2023 4 – 5 Jan 2024
	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID34] Data Wrangling, Analysis and Visualisation</a>		
	✓			<a href="#">[ID67] Certified ScrumMaster (CSM) + Certified LeSS Basics (CLB) workshop</a>	Agile	20 – 24 Feb 2023 20 – 24 Mar 2023 17 – 21 Apr 2023
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			<a href="#">[ID82] Digital Product Management Bootcamp</a>		12 Apr 2023 7 Jul 2023 2 Oct 2023 15 Jan 2024
	✓			<a href="#">[ID102] Agile Fundamentals</a>	Agile	20 – 22 Feb 2023 15 – 17 Mar 2023 12 – 14 Apr 2023 15 – 17 May 2023 12 – 14 Jun 2023
	✓			<a href="#">[ID103] Hands-On Training for Agile Project Management &amp; Scoping</a>		
	✓			<a href="#">[ID170] AWS Certified Cloud Practitioner</a>		

	✓		<a href="#">[ID5] Certified Scrum Product Owner</a>	Agile	9 – 10 Mar 2023 19 – 20 Jun 2023 2 – 3 Oct 2023 7 – 8 Dec 2023 4 – 5 Mar 2024
	✓		[ID14] Agile Methodology Workshop^	Agile	
	✓		<a href="#">[ID15] AZ-104 Microsoft Azure Administrator</a>		6 – 9 Mar 2023
	✓		<a href="#">[ID16] Exam Readiness: AWS Certified Solution Architect – Associate</a>		
	✓		<a href="#">[ID25] Evaluating Software Architecture</a>		6 – 7 Feb 2023 4 – 5 May 2023 28 – 29 Aug 2023 6 – 7 Nov 2023 1 – 2 Feb 2024
	✓		<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
	✓		<a href="#">[ID27A] Coaching Clinic for Service Design</a>	Service Design	
	✓		<a href="#">[ID28] Operation Management Essentials For Application Services</a>		8 – 9 Feb 2023 21 – 22 Aug 2023 19 – 20 Feb 2024
	✓		[ID37] Data Champions Bootcamp (Core)^		
	✓		<a href="#">[ID52] Product Thinking for Organisations</a>		20 – 21 Apr 2023 10 – 11 Jul 2023 9 – 10 Oct 2023 18 – 19 Jan 2024
	✓		<a href="#">[ID53] Managing Digital Products</a>		6 – 9 Mar 2023 19 – 22 Jun 2023 19 – 22 Sep 2023 28 Nov – 1 Dec 2023 5 – 8 Mar 2024
	✓		[ID68A] Certified LeSS Practitioner By Bas Vodde	Agile	
	✓		[ID68B] Certified LeSS Practitioner By Viktor Grgic	Agile	
	✓		<a href="#">[ID71] Exam Readiness: AWS Certified SysOps Administrator – Associate</a>		
	✓		<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
	✓		<a href="#">[ID93] Web Analytics &amp; SEO</a>		14 – 16 Feb 2023 17 – 19 May 2023 28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
	✓		<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
	✓		<a href="#">[ID107] Advanced Architecting on AWS + Advanced Architecting JAM</a>		27 Feb – 2 Mar 2023
	✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps Engineering Jam</a>		27 – 30 Mar 2023
	✓		<a href="#">[ID110A] Exam Readiness: AWS Certified Solutions Architect – Professional</a>		
	✓		<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023
	✓		<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		



		✓		<a href="#">[ID157A] Data Analytics &amp; Through Visualisation</a>		
		✓		<a href="#">[ID190] Data Analysis &amp; Visualisation Practicum</a>		12 Apr – 12 May 2023
			✓	<a href="#">[ID50] Graduate Certificate in Designing and Managing Products and Platforms – Practice Module</a>		
			✓	<a href="#">[ID51] Digital Product Strategy</a>		3 – 24 Mar 2023 1 – 23 Jun 2023 6 – 26 Oct 2023 16 Feb – 7 Mar 2024
<b>DIGITAL BUSINESS ANALYST</b> Elicit business needs, analyse business problems in order to scope, define and deploy digital solutions to address the needs of citizens, businesses and/or public officers.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID20] Certified ScrumMaster</a>	Agile	20 – 21 Mar 2023 15 – 16 May 2023 28 – 29 Sep 2023 14 – 15 Dec 2023 25 – 26 Mar 2024
	✓			<a href="#">[ID21] Data Analytics for IT Professionals</a>		13 – 14 Feb 2023 8 – 9 May 2023 21 – 22 Aug 2023 6 – 7 Nov 2023
	✓			<a href="#">[ID22] Data Technology &amp; Management for IT Professionals</a>		23 – 24 Mar 2023 8 – 9 Jun 2023 14 – 15 Sep 2023 4 – 5 Dec 2023
				<a href="#">[ID26] Business Analysis for Agile Practitioners</a>	Agile	24 – 25 Apr 2023 3 – 4 Jul 2023 2 – 3 Oct 2023 4 – 5 Jan 2024
	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID34] Data Wrangling, Analysis and Visualisation</a>		
	✓			<a href="#">[ID67] Certified ScrumMaster (CSM) + Certified LeSS Basics (CLB) workshop</a>	Agile	20 – 24 Feb 2023 20 – 24 Mar 2023 17 – 21 Apr 2023
	✓			[ID69] LeSS in Action (Certified Scrum Developer)^	Agile	
	✓			<a href="#">[ID70] Enhanced Project Development Methodology</a>		9 Mar 2023 18 Sep 2023 21 Feb 2024
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			<a href="#">[ID82] Digital Product Management Bootcamp</a>		12 Apr 2023 7 Jul 2023 2 Oct 2023 15 Jan 2024
	✓			<a href="#">[ID102] Agile Fundamentals</a>	Agile	20 – 22 Feb 2023 15 – 17 Mar 2023 12 – 14 Apr 2023 15 – 17 May 2023 12 – 14 Jun 2023
	✓			[ID170] AWS Certified Cloud Practitioner		
	✓			<a href="#">[ID173] BCG PowerUp – Consulting Primer for DBAs</a>		
		✓		<a href="#">[ID5] Certified Scrum Product Owner</a>	Agile	9 – 10 Mar 2023

					19 – 20 Jun 2023 2 – 3 Oct 2023 7 – 8 Dec 2023 4 – 5 Mar 2024
	✓		[ID14] Agile Methodology Workshop^	Agile	
	✓		<a href="#">[ID15] AZ-104 Microsoft Azure Administrator</a>		6 – 9 Mar 2023
	✓		<a href="#">[ID16] Exam Readiness: AWS Certified Solutions Architect – Associate</a>		
	✓		<a href="#">[ID25] Evaluating Software Architecture</a>		6 – 7 Feb 2023 4 – 5 May 2023 28 – 29 Aug 2023 6 – 7 Nov 2023 1 – 2 Feb 2024
	✓		<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
	✓		<a href="#">[ID27A] Coaching Clinic for Service Design</a>	Service Design	
	✓		[ID37] Data Champion Bootcamp (CORE)^		
	✓		<a href="#">[ID53] Managing Digital Products</a>		6 – 9 Mar 2023 19 – 22 Jun 2023 19 – 22 Sep 2023 28 Nov – 1 Dec 2023 5 – 8 Mar 2024
	✓		<a href="#">[ID54] Strategic Product Market Fit</a>		20 – 22 Feb 2023 8 – 10 May 2023 14 – 16 Aug 2023 15 – 17 Nov 2023 14 – 16 Feb 2024
	✓		[ID68A] Certified LeSS Practitioner By Bas Vodde	Agile	
	✓		[ID68B] Certified LeSS Practitioner By Viktor Grgic	Agile	
	✓		<a href="#">[ID71] Exam Readiness: AWS Certified SysOps Administrator – Associate</a>		
	✓		<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
	✓		<a href="#">[ID93] Web Analytics &amp; SEO</a>		14 – 16 Feb 2023 17 – 19 May 2023 28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
	✓		<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
	✓		<a href="#">[ID107] Advanced Architecting on AWS + Advanced Architecting JAM</a>		27 Feb – 2 Mar 2023
	✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps Engineering Jam</a>		27 – 30 Mar 2023
	✓		<a href="#">[ID110A] Exam Readiness: AWS Certified Solutions Architect – Professional</a>		
	✓		<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023
	✓		<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		
	✓		<a href="#">[ID131] Digital Business Analysis</a>		27 Feb – 1 Mar 2023
	✓		<a href="#">[ID132] ISTQB® Certified Tester Performance Testing (CT-PT)</a>		23 – 24 Mar 2023 5 – 6 Jun 2023 26 – 27 Oct 2023

						29 Feb – 1 Mar 2024
		✓		<a href="#">[ID133] ASTQB Mobile Tester Certification</a>		2 – 3 Mar 2023 3 – 4 Aug 2023 7 – 8 Dec 2023 14 – 15 Mar 2024
		✓		<a href="#">[ID157A] Data Analytics &amp; Through Visualisation</a>		
		✓		<a href="#">[ID181] Business Process Reengineering</a>		1 – 3 Feb 2023 17 – 19 Jul 2023 30 Oct – 1 Nov 2023 4 – 6
		✓		<a href="#">[ID190] Data Analysis &amp; Visualisation Practicum</a>		12 Apr – 12 May 2023
			✓	<a href="#">[ID33] Data Science Immersive</a>		25 Feb – 26 Aug 2023
			✓	<a href="#">[ID40A] Certified Enterprise Architecture Practitioner Course</a>		14 – 30 Mar 2023 26 Jun – 13 Jul 2023 11 – 27 Oct 2023
			✓	<a href="#">[ID50] Graduate Certificate in Designing and Managing Products and Platforms – Practice Module</a>		
			✓	<a href="#">[ID51] Digital Product Strategy</a>		3 – 24 Mar 2023 1 – 23 Jun 2023 6 – 26 Oct 2023 16 Feb – 7 Mar 2024
			✓	[ID134] BCS/ISTQB – Certified Tester Expert Level (Test Management)^		
<b>SOLUTION ARCHITECT:</b> Design end-to-end architecture for a system and ensures the detailed design and development is aligned with the enterprise architecture.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID21] Data Analytics for IT Professionals</a>		13 – 14 Feb 2023 8 – 9 May 2023 21 – 22 Aug 2023 6 – 7 Nov 2023
	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓			<a href="#">[ID77] AWS Cloud Practitioner Essentials</a>		24 Mar 2023
	✓			<a href="#">[ID79] AWS Technical Essentials</a>		24 Feb 2023
	✓			[ID170] AWS Certified Cloud Practitioner		
		✓		<a href="#">[ID15] AZ-104 Microsoft Azure Administrator</a>		6 – 9 Mar 2023
		✓		<a href="#">[ID16] Exam Readiness: AWS Certified Solutions Architect – Associate</a>		
		✓		<a href="#">[ID25] Evaluating Software Architecture</a>		6 – 7 Feb 2023 4 – 5 May 2023 28 – 29 Aug 2023 6 – 7 Nov 2023 1 – 2 Feb 2024
		✓		<a href="#">[ID71] Exam Readiness: AWS Certified SysOps Administrator – Associate</a>		
		✓		<a href="#">[ID78] Architecting on AWS + Architecting JAM</a>		7 – 10 Feb 2023 6 – 9 Mar 2023
		✓		<a href="#">[ID105C] AZ-204 Microsoft Developing Solutions for Microsoft Azure by Trainocate</a>		

		✓		<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓		<a href="#">[ID107] Advanced Architecting on AWS + Advanced Architecting JAM</a>		27 Feb – 2 Mar 2023
		✓		<a href="#">[ID108] DevOps Engineering on AWS + DevOps Engineering Jam</a>		27 – 30 Mar 2023
		✓		<a href="#">[ID110A] Exam Readiness: AWS Certified Solutions Architect – Professional</a>		
		✓		<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023
		✓		<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		
		✓		<a href="#">[ID116] Exam readiness: AWS Certified Data Analytics – Specialty</a>		
		✓		<a href="#">[ID157A] Data Analytics &amp; Through Visualisation</a>		
		✓		<a href="#">[ID171] Developing on AWS + Developing Jam</a>		13 – 16 Feb 2023 13 – 16 Mar 2023
		✓		[ID172] AWS Certified Developer – Associate		
		✓		<a href="#">[ID178] Exam Readiness: AWS Certified Developer – Associate</a>		
		✓		<a href="#">[ID190] Data Analysis &amp; Visualisation Practicum</a>		12 Apr – 12 May 2023
			✓	<a href="#">[ID40A] Certified Enterprise Architecture Practitioner Course</a>		14 – 30 Mar 2023 26 Jun – 13 Jul 2023 11 – 27 Oct 2023
			✓	[ID176] AWS Certified Advanced Networking – Specialty		
			✓	[ID177] AWS Certified Security – Specialty		
			✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
			✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>PROJECT MANAGER (AGILE):</b> Ensure that projects are delivered on time, within budget, meet business requirements and comply with IT governance framework, including security and resilience.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID20] Certified ScrumMaster</a>	Agile	20 – 21 Mar 2023 15 – 16 May 2023 28 – 29 Sep 2023 14 – 15 Dec 2023 25 – 26 Mar 2024
	✓			<a href="#">[ID21] Data Analytics for IT Professionals</a>		13 – 14 Feb 2023 8 – 9 May 2023 21 – 22 Aug 2023 6 – 7 Nov 2023
	✓			<a href="#">[ID22] Data Technology &amp; Management for IT Professionals</a>		23 – 24 Mar 2023 8 – 9 Jun 2023 14 – 15 Sep 2023 4 – 5 Dec 2023
	✓			<a href="#">[ID26] Business Analysis for Agile Practitioners</a>	Agile	24 – 25 Apr 2023 3 – 4 Jul 2023 2 – 3 Oct 2023 4 – 5 Jan 2024
	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
				[ID66] Procurement e-learning 1.1		

	✓		<a href="#">[ID67] Certified ScrumMaster (CSM) + Certified LeSS Basics (CLB) workshop</a>	Agile	20 – 24 Feb 2023 20 – 24 Mar 2023 17 – 21 Apr 2023
	✓		<a href="#">[ID70] Enhanced Product Development Methodology</a>		9 Mar 2023 18 Sep 2023 21 Feb 2024
	✓		<a href="#">[ID82] Digital Product Management Bootcamp</a>		12 Apr 2023 7 Jul 2023 2 Oct 2023 15 Jan 2024
	✓		<a href="#">[ID102] Agile Fundamentals</a>	Agile	20 – 22 Feb 2023 15 – 17 Mar 2023 12 – 14 Apr 2023 15 – 17 May 2023 12 – 14 Jun 2023
	✓		[ID103] Hands-On Training for Agile Project Management & Scoping		
		✓	<a href="#">[ID5] Certified Scrum Product Owner</a>	Agile	9 – 10 Mar 2023 19 – 20 Jun 2023 2 – 3 Oct 2023 7 – 8 Dec 2023 4 – 5 Mar 2024
		✓	[ID14] Agile Methodology Workshop^	Agile	
		✓	<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
		✓	<a href="#">[ID27A] Coaching Clinic for Service Design</a>	Service Design	
		✓	<a href="#">[ID28] Operations Management Essentials For Applications Services</a>		8 – 9 Feb 2023 21 – 22 Aug 2023 19 – 20 Feb 2024
		✓	<a href="#">[ID52] Product Thinking for Organisations</a>		20 – 21 Apr 2023 10 – 11 Jul 2023 9 – 10 Oct 2023 18 – 19 Jan 2024
		✓	<a href="#">[ID53] Managing Digital Products</a>		6 – 9 Mar 2023 19 – 22 Jun 2023 19 – 22 Sep 2023 28 Nov – 1 Dec 2023 5 – 8 Mar 2024
		✓	[ID68A] Certified LeSS Practitioner By Bas Vodde	Agile	
		✓	[ID68B] Certified LeSS Practitioner By Viktor Grgic	Agile	
			<a href="#">[ID83] Managing Business Analytics Projects</a>		21 – 23 Feb 2023 17 – 19 May 2023 21 – 23 Aug 2023 22 – 24 Nov 2023 26 – 28 Feb 2024
		✓	<a href="#">[ID157A] Data Analytics &amp; Through Visualisation</a>		
		✓	<a href="#">[ID190] Data Analysis &amp; Visualisation Practicum</a>		12 Apr – 12 May 2023
		✓	<a href="#">[ID40A] Certified Enterprise Architecture Practitioner Course</a>		14 – 30 Mar 2023 26 Jun – 13 Jul 2023 11 – 27 Oct 2023
		✓	<a href="#">[ID50] Graduate Certificate in Designing and Managing Products and Platforms – Practice Module</a>		
		✓	<a href="#">[ID51] Digital Product Strategy</a>		3 – 24 Mar 2023 1 – 23 Jun 2023 6 – 26 Oct 2023 16 Feb – 7 Mar 2024

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## Tech Management

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>CHIEF INFORMATION OFFICER:</b> Lead overall digital transformation vision and strategy with the Agency's vision, with particular emphasis on strategic planning, information security and resilience.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
		✓		<a href="#">[ID25] Evaluating Software Architecture</a>		6 – 7 Feb 2023 4 – 5 May 2023 28 – 29 Aug 2023 6 – 7 Nov 2023 1 – 2 Feb 2024
			✓	CIO Milestone Programme		

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## Product Management

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>PRODUCT MANAGER:</b>  Plan the full product lifecycle, from market/user research to identify product positioning within the market in which it operates	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			[ID66] Procurement e-learning 1.1		
	✓			<a href="#">[ID82] Digital Product Management Bootcamp</a>		12 Apr 2023 7 Jul 2023 2 Oct 2023 15 Jan 2024
	✓			[ID103] Hands-On Training for Agile Project Management & Scoping		
	✓			[ID194] Product Management Foundations		
		✓		<a href="#">[ID5] Certified Scrum Product Owner</a>	Agile	9 – 10 Mar 2023 19 – 20 Jun 2023 2 – 3 Oct 2023 7 – 8 Dec 2023 4 – 5 Mar 2024
		✓		[ID14] Agile Methodology Workshop^	Agile	
		✓		<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
		✓		<a href="#">[ID27A] Coaching Clinic for Service Design</a>	Service Design	
		✓		<a href="#">[ID52] Product Thinking for Organisations</a>		20 – 21 Apr 2023 10 – 11 Jul 2023 9 – 10 Oct 2023 18 – 19 Jan 2024
		✓		<a href="#">[ID53] Managing Digital Products</a>		6 – 9 Mar 2023 19 – 22 Jun 2023 19 – 22 Sep 2023 28 Nov – 1 Dec 2023 5 – 8 Mar 2024
		✓		<a href="#">[ID54] Strategic Product Market Fit</a>		20 – 22 Feb 2023 8 – 10 May 2023 14 – 16 Aug 2023 15 – 17 Nov 2023 14 – 16 Feb 2024
		✓		<a href="#">[ID83] Managing Business Analytics Projects</a>		21 – 23 Feb 2023 17 – 19 May 2023 21 – 23 Aug 2023 22 – 24 Nov 2023 26 – 28 Feb 2024
		✓		<a href="#">[ID93] Web Analytics &amp; SEO</a>		14 – 16 Feb 2023 17 – 19 May 2023

						28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
		✓	<a href="#">[ID50] Graduate Certificate in Designing and Managing Products and Platforms – Practice Module</a>			
		✓	<a href="#">[ID51] Digital Product Strategy</a>			3 –24 Mar 2023 1 – 23 Jun 2023 6 – 26 Oct 2023 16 Feb – 7 Mar 2024
		✓	<a href="#">[ID81] Architecting Platforms as a Business</a>			5 – 28 Apr 2023 4 – 25 Aug 2023 6 – 27 Oct 2023 10 Jan – 1 Feb 2024
<b>ENGAGEMENT MANAGER:</b> Drive government agencies and industry adoption of the product through an understanding of the value of the product and the context/domain in which the product is to be implemented.		✓	<a href="#">[ID54] Strategic Product Market Fit</a>			20 –22 Feb 2023 8 – 10 May 2023 14 – 16 Aug 2023 15 – 17 Nov 2023 14 – 16 Feb 2024
		✓	<a href="#">[ID93] Web Analytics &amp; SEO</a>			14 – 16 Feb 2023 17 – 19 May 2023 28 – 30 Aug 2023 29 Nov – 1 Dec 2023 21 – 23 Feb 2024
		✓	<a href="#">[ID50] Graduate Certificate in Designing and Managing Products and Platforms – Practice Module</a>			
		✓	<a href="#">[ID51] Digital Product Strategy</a>			3 –24 Mar 2023 1 – 23 Jun 2023 6 – 26 Oct 2023 16 Feb – 7 Mar 2024
		✓	<a href="#">[ID81] Architecting Platforms as a Business</a>			5 – 28 Apr 2023 4 – 25 Aug 2023 6 – 27 Oct 2023 10 Jan – 1 Feb 2024





## Data Science & AI

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>QUANTITATIVE ANALYST:</b> Enhance government policies and operations through strategic data science projects with government agencies	✓			<a href="#">[ID34] Data Wrangling, Analysis and Visualisation</a>		
	✓			<a href="#">[ID147] Data Storytelling</a>		24 – 28 Feb 2023 6 – 8 Mar 2023 29 – 31 May 2023 16 – 18 Aug 2023 7 – 9 Nov 2023 28 Feb – 1 Mar 2024
		✓		[ID37] Data Champions Bootcamp (Core)^		
			✓	<a href="#">[ID33] Data Science Immersive</a>		25 Feb – 26 Aug 2023
<b>COMPUTATIONAL SCIENTIST:</b> Solve complex predictive and prescriptive analytics problems using a wide range of algorithms and machine learning techniques.	✓			<a href="#">[ID89] An Introduction to Code-Free Machine Learning</a>		
	✓			<a href="#">[ID90] Introduction to AI and Machine Learning</a>		
<b>DATA ENGINEER:</b> Engineer data pipelines for analysis work and architecting of distributed, big data systems	✓			<a href="#">[ID21] Data Analytics for IT Professionals</a>		13 – 14 Feb 2023 8 – 9 May 2023 21 – 22 Aug 2023 6 – 7 Nov 2023
	✓			<a href="#">[ID22] Data Technology &amp; Management for IT Professionals</a>		23 – 24 Mar 2023 8 – 9 Jun 2023 14 – 15 Sep 2023 4 – 5 Dec 2023
				[ID103] Hands-On Training for Agile Project Management & Scoping		
	✓			<a href="#">[ID147] Data Storytelling</a>		24 – 28 Feb 2023 6 – 8 Mar 2023 29 – 31 May 2023 16 – 18 Aug 2023 7 – 9 Nov 2023 28 Feb – 1 Mar 2024
	✓			<a href="#">[ID150] Google Cloud Big Data and ML Fundamentals</a>		
	✓			<a href="#">[ID156] From Data to Insights with Google Cloud Platform</a>		
		✓		<a href="#">[ID113] Building Data Lakes on AWS (DA/ML – Step 1)</a>		6 Mar 2023

	✓		<a href="#">[ID114] Data Warehousing on AWS (DA – Step 4)</a>		
	✓		<a href="#">[ID116] Exam readiness: AWS Certified Data Analytics – Specialty</a>		
	✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
	✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
	✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
	✓		<a href="#">[ID151] Data Engineering on Google Cloud</a>		
	✓		<a href="#">[ID152] Machine Learning on Google Cloud</a>		
		✓	[ID176] AWS Certified Advanced Networking – Specialty		
		✓	<a href="#">[ID179] Exam Readiness: AWS Certified Advanced Networking – Specialty</a>		
<b>AI ENGINEER:</b> Develop production quality applications and products with embedded AI or machine learning algorithms.	✓		<a href="#">[ID22] Data Technology &amp; Management for IT Professionals</a>		23 – 24 Mar 2023 8 – 9 Jun 2023 14 – 15 Sep 2023 4 – 5 Dec 2023
	✓		<a href="#">[ID89] An Introduction to Code-Free Machine Learning</a>		
	✓		<a href="#">[ID90] Introduction to AI and Machine Learning</a>		
	✓		<a href="#">[ID150] Google Cloud Big Data and ML Fundamentals</a>		
	✓		<a href="#">[ID156] From Data to Insights with Google Cloud Platform</a>		
		✓	<a href="#">[ID151] Data Engineering on Google Cloud</a>		
		✓	<a href="#">[ID152] Machine Learning on Google Cloud</a>		
<b>CHIEF DATA OFFICER:</b> manage the data assets of the agency in line with the data lifecycle (i.e. Integrated Data Management Framework, IDMF), and achieving the outcomes set out in the Government Data Strategy (GDS) in a secure manner. Please refer to CDO Terms of References for detailed requirements.	✓		<a href="#">[ID88] Responsible AI Principles and Practices</a>		
	✓		<a href="#">[ID147] Data Storytelling</a>		24 – 28 Feb 2023 6 – 8 Mar 2023 29 – 31 May 2023 16 – 18 Aug 2023 7 – 9 Nov 2023 28 Feb – 1 Mar 2024
		✓	<a href="#">[ID33] Data Science Immersive</a>		25 Feb – 26 Aug 2023
		✓	<a href="#">[ID62] Digital Transformation Planning</a>		10 – 12 Apr 2023 24 – 26 Jan 2024
<b>DATA STRATEGY OFFICER:</b>		✓	<a href="#">[ID62] Digital Transformation Planning</a>		10 – 12 Apr 2023 24 – 26 Jan 2024

Develop, drive and overall success of organisation's or project's data strategy to facilitate fast and secured sharing and exploitation of data.						
<b>DATA POLICY OFFICER:</b> Apply and implement Government policies, guidelines and standards to ensure proper governance and management of data.	✓			<a href="#">[ID88] Responsible AI Principles and Practices</a>		
			✓	<a href="#">[ID62] Digital Transformation Planning</a>		10 – 12 Apr 2023 24 – 26 Jan 2024
<b>DATA ARCHITECT:</b> Develop, design and operationalise data architecture to support fast and secured sharing and exploitation of data.	✓			<a href="#">[ID88] Responsible AI Principles and Practices</a>		
			✓	<a href="#">[ID62] Digital Transformation Planning</a>		10 – 12 Apr 2023 24 – 26 Jan 2024

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## Sensors & Internet of Things

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>EMBEDDED ENGINEER:</b> Design and develop IoT sensor nodes, embedded system and hardware.				Coming soon		
<b>R&amp;D ENGINEER:</b> Formulate and validate concept, build and test prototype to expected performance.				Coming soon		
<b>ROBOTICS ENGINEER:</b> Design and develop Robotics Systems, including sensor hardware design, signal processing, algorithm development and testing.				Coming soon		
<b>SYSTEMS ENGINEER:</b> Define and the architectural system design, develop, deploy of an overall IoT systems / networks, including define system solutions and integrate with existing applications, systems, or platforms.				Coming soon		

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## Cybersecurity

### STEP 1:

Choose your job role

### STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

### STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>CHIEF INFORMATION SECURITY OFFICER</b> Elevate cybersecurity posture across agencies through governance and security consulting services.	✓			<a href="#">[ID18] Design Thinking Hands-On Course</a>	Design Thinking	
	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID140] Hunt Mission Workshop (IR)</a>		
	✓			<a href="#">[ID143] Introduction to Threat Intelligence and Attribution</a>		
	✓			<a href="#">[ID146] Fundamentals of ICS Security</a>		
	✓			<a href="#">[ID198] Cybersecurity Risk Awareness</a>		17 Feb 2023 31 Mar 2023
		✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓		<a href="#">[ID139] Essentials of Malware Analysis (Forensics)</a>		
		✓		<a href="#">[ID142] Windows Enterprise Incident Response</a>		
<b>CYBERSECURITY ENGINEER:</b> Strengthen Government's cybersecurity posture against cyber threats – security consultancy, incident response and analysis, threat hunting and security operations.	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID31] Incident Response Management</a>		6 – 7 Feb 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			<a href="#">[ID92] Attacking and Defending Active Directory Lab (Cyber Range)^</a>		
	✓			<a href="#">[ID140] Hunt Mission Workshop (IR)</a>		
	✓			<a href="#">[ID143] Introduction to Threat Intelligence and Attribution</a>		
	✓			<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
	✓			<a href="#">[ID146] Fundamentals of ICS Security</a>		

	✓			<a href="#">[ID169] Security and the Software Development Lifecycle</a>		
	✓			<a href="#">[ID198] Cybersecurity Risk Awareness</a>		17 Feb 2023 31 Mar 2023
		✓		<a href="#">[ID11] SEC542: Web App Penetration Testing and Ethical Hacking</a>		6 – 11 Mar 2023
		✓		<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓		<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓		<a href="#">[ID111] Security Engineering on AWS + Security Engineering JAM</a>		27 Feb – 2 Mar 2023
		✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓		<a href="#">[ID139] Essentials of Malware Analysis (Forensics)</a>		
		✓		<a href="#">[ID142] Windows Enterprise Incident Response</a>		
		✓		<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
		✓		<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
			✓	[ID87] AttackDefense Labs + Video Courses Library^		
			✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		
			✓	[ID177] AWS Certified Security – Specialty		
			✓	<a href="#">[ID180] Exam Readiness: AWS Certified Security – Specialty</a>		3 Mar 2023 24 Mar 2023
<b>CYBERSECURITY POLICY DEVELOPER:</b> Formulate effective cybersecurity strategies, implement policies, standards and guidelines that support the Government digitalisation goals.	✓			<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓			<a href="#">[ID31] Incident Response Management</a>		6 – 7 Feb 2023
	✓			<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓			[ID92] Attacking and Defending Active Directory Lab (Cyber Range)^		
	✓			<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
		✓		<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓		<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓		<a href="#">[ID111] Security Engineering on AWS + Security Engineering JAM</a>		27 Feb – 2 Mar 2023
		✓		<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023

	✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
	✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
	✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓	[ID87] AttackDefense Labs + Video Courses Library^		
		✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		
<b>RED TEAM ENGINEER:</b> Apply adversarial tactics to identify security weaknesses and build defense capabilities against it.	✓		<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓		<a href="#">[ID31] Incident Response Management</a>		6 – 7 Feb 2023
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓		[ID92] Attacking and Defending Active Directory Lab (Cyber Range)^		
	✓		<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
	✓		<a href="#">[ID146] Fundamentals of ICS Security</a>		
	✓		<a href="#">[ID168] Creative Red Teaming</a>		
		✓	<a href="#">[ID11] SEC542: Web App Penetration Testing and Ethical Hacking</a>		6 – 11 Mar 2023
		✓	<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓	<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓	<a href="#">[ID111] Security Engineering on AWS + Security Engineering JAM</a>		27 Feb – 2 Mar 2023
		✓	<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓	<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓	<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓	<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓	<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
		✓	[ID87] AttackDefense Labs + Video Courses Library^		
		✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		
<b>DATA SECURITY OFFICER:</b>	✓		<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023

Apply and implement Government policies, guidelines and standards to ensure the safe and secured sharing and exploitation of data.	✓		<a href="#">[ID143] Introduction to Threat Intelligence and Attribution</a>		
	✓		<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
		✓	<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓	<a href="#">[ID131] Digital Business Analysis</a>		27 Feb – 1 Mar 2023
		✓	<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023
		✓	<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
		✓	<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
		✓	<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
		✓	<a href="#">[ID139] Essentials of Malware Analysis (Forensics)</a>		
		✓	<a href="#">[ID142] Windows Enterprise Incident Response</a>		
		✓	<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
		✓	<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
		✓	[ID87] AttackDefense Labs + Video Courses Library^		
		✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		
<b>SECURITY TESTING OFFICER:</b> Apply adversarial tactics to identify security weaknesses and build defense capabilities against it.	✓		<a href="#">[ID29] ICT Security Risk Assessment &amp; Security By Design Course</a>		6 – 7 Mar 2023
	✓		<a href="#">[ID31] Incident Response Management</a>		6 – 7 Feb 2023
	✓		<a href="#">[ID32] Vulnerability Assessment</a>		13 – 14 Feb 2023
	✓		<a href="#">[ID76] AZ-900 MS Azure Fundamentals</a>		13 Mar 2023 19 Jun 2023 11 Aug 2023 27 Nov 2023
	✓		[ID92] Attacking and Defending Active Directory Lab (Cyber Range)^		
	✓		<a href="#">[ID143] Introduction to Threat Intelligence and Attribution</a>		
	✓		<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
	✓		<a href="#">[ID146] Fundamentals of ICS Security</a>		
	✓		<a href="#">[ID168] Creative Red Teaming</a>		
		✓	<a href="#">[ID13] Secure Code Programme</a>		1-year subscription
		✓	<a href="#">[ID106C] AZ-500 Microsoft Azure Security Technologies</a>		
		✓	<a href="#">[ID131] Digital Business Analysis</a>		27 Feb – 1 Mar 2023
		✓	<a href="#">[ID135A] (ISC)² Systems Security Certified Practitioner Common Body of Knowledge (SSCP CBK) Training Seminar</a>		13 – 17 Mar 2023 24 – 28 Jul 2023 20 – 24 Nov 2023



	✓		<a href="#">[ID136A] (ISC)² Certified Information Systems Security Professional Common Body of Knowledge (CISSP CBK) Training Seminar</a>		27 – 31 Mar 2023
	✓		<a href="#">[ID137A] (ISC)² Certified Cloud Security Professional Common Body of Knowledge (CCSP CBK) Training Seminar</a>		27 – 31 Mar 2023 4 – 10 May 2023 10 – 14 Jul 2023 16 – 20 Oct 2023
	✓		<a href="#">[ID138A] (ISC)² Certified Secure Software Lifecycle Professional Common Body of Knowledge (CSSLP CBK) Training Seminar</a>		6 – 10 Mar 2023 22 – 28 Jun 2023 27 Nov – 1 Dec 2023
	✓		<a href="#">[ID139] Essentials of Malware Analysis (Forensics)</a>		
	✓		<a href="#">[ID142] Windows Enterprise Incident Response</a>		
	✓		<a href="#">[ID175] SEC588: Cloud Penetration Testing</a>		22 – 27 May 2023
	✓		<a href="#">[ID182] SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection</a>		20 – 24 Mar 2023
		✓	[ID87] AttackDefense Labs + Video Courses Library^		
		✓	[ID128] Kaspersky Advanced Malware Analysis & Reverse Engineering Training		

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## STEP 1:

Choose your job role

## STEP 2:

Choose to upskill from 3 course levels – Foundation, Intermediate, Advanced

## STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>ICT&amp;SS INCIDENT MANAGEMENT OFFICER</b> Establish and maintain the WOG Incident Management policies, standards and guidelines. Create awareness, educate and exercise the Incident Management teams across WOG, including distil and share lessons to prevent recurrence of similar ICT & data incidents. Monitor ICT systems for high key events to ensure availability and timely intervention, if needed, and manage WOG ICT & data incidents with the affected agencies and relevant stakeholders to contain impact, eradicate the threats and recover from the incident.	✓			[ID195] ITIL 4 Foundation		
	✓			<a href="#">[ID198] Cybersecurity Risk Awareness</a>		17 Feb 2023 31 Mar 2023
		✓		ICT and Data Incident Management		

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# Public Service Leaders & Officers

## STEP 1:

Choose your role

## STEP 2:

Choose to upskill from 3 course levels –  
Foundation, Intermediate, Advanced

## STEP 3:

Choose your course, click on the link to learn more and register. For courses denoted with ^ it's coming soon!

Job Role	Foundation	Intermediate	Advanced	DA Courses	Cross – Cutting Areas	Schedule
<b>PUBLIC SERVICE LEADERS:</b> As non-tech leaders, lead and influence digital transformation in your agencies.	✓			<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
			✓	<a href="#">Leading Digital Transformation in Government (for Directors)</a>		By invite only
<b>PUBLIC SERVICE OFFICERS:</b> As non-tech officers, work more efficiently to create greater impact in transforming and designing seamless solutions for citizens and businesses.	✓			<a href="#">[ID20] Certified ScrumMaster</a>	Agile	20 – 21 Mar 2023 15 – 16 May 2023 28 – 29 Sep 2023 14 – 15 Dec 2023 25 – 26 Mar 2024
	✓			<a href="#">[ID34] Data Wrangling, Analysis and Visualisation</a>		
	✓			<a href="#">[ID67] Certified ScrumMaster (CSM) + Certified LeSS Basics (CLB) workshop</a>	Agile	20 – 24 Feb 2023 20 – 24 Mar 2023 17 – 21 Apr 2023
	✓			<a href="#">[ID82] Digital Product Management Bootcamp</a>		12 Apr 2023 7 Jul 2023 2 Oct 2023 15 Jan 2024
	✓			<a href="#">[ID88] Responsible AI Principles and Practices</a>		
	✓			<a href="#">[ID102] Agile Fundamentals</a>	Agile	20 – 22 Feb 2023 15 – 17 Mar 2023 12 – 14 Apr 2023 15 – 17 May 2023 12 – 14 Jun 2023
	✓			<a href="#">[ID117] Giving a Voice to Your Data – From Spreadsheet to Data Storytelling</a>		
	✓			<a href="#">[ID118] From Data to Visualization</a>		15 – 17 Mar 2023
	✓			<a href="#">[ID120] Fundamentals of Data Wrangling, Analysis &amp; Visualisations</a>		28 – 31 Mar 2023 11 – 14 Apr 2023
	✓			<a href="#">[ID122] Analytics for Enterprises</a>		16 – 17 Mar 2023 13 – 14 Apr 2023
	✓			<a href="#">[ID144] Introduction to Cyber Crime for Executives</a>		
	✓			<a href="#">[ID147] Data Storytelling</a>		24 – 28 Feb 2023 6 – 8 Mar 2023 29 – 31 May 2023 16 – 18 Aug 2023 7 – 9 Nov 2023 28 Feb – 1 Mar 2024
	✓			<a href="#">[ID155] Effective Course Facilitation</a>		

	✓		<a href="#">[ID164] Exploring Virtual Reality &amp; Augmented Reality (Basic)</a>		
	✓		[ID191] Better collaboration and higher productivity		
	✓		[ID192] Make Office Work Smarter for you		
	✓		[ID193] Effective meetings with Skype and SG-Teams		
	✓		<a href="#">[ID196] Data Visualisation In Tableau</a>		
		✓	<a href="#">[ID2] UX Design and Delivery</a>	Design Thinking	1 – 2 Mar 2023 10 – 11 May 2023 21 – 22 Sep 2023
		✓	<a href="#">[ID27] Service Design</a>	Service Design	13 – 21 Apr 2023 6 – 14 Jul 2023 5 – 13 Oct 2023 15 – 22 Mar 2024
		✓	[ID37] Data Champions Bootcamp (Core)^		
		✓	<a href="#">[ID119] Data Science for Power Users</a>		
		✓	<a href="#">[ID121] Python for Data Analytics &amp; Applied Machine Learning</a>		
		✓	[ID183] QGIS Cognizance		
		✓	<a href="#">[ID33] Data Science Immersive</a>		25 Feb – 26 Aug 2023
		✓	<a href="#">[ID62] Digital Transformation Planning</a>		10 – 12 Apr 2023 24 – 26 Jan 2024
		✓	<a href="#">[ID94] Digital User Experience Design</a>		17 – 19 Apr 2023 10 – 12 Jul 2023 16 – 18 Oct 2023 15 – 17 Jan 2024

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## About GovTech Digital Academy

Singapore's Public Service aims to create a Digital Government – [A Government that is Digital to the Core, and Serves with a Heart](#) – digitally confident public sector workforce with strong ICT&SS (Info-Communications Technologies and Smart Systems) capabilities to transform and design seamless solutions for citizens and businesses.

[GovTech Digital Academy](#) (DA) is the first 'Practitioner-for-Practitioner' academy that helps support the realisation of a Digital Government by offering a robust suite of ICT&SS capability building opportunities contextualised to the needs of public officers.

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