

Schedule for (SCTP) Advanced Professional Certificate in Cloud Infrastructure Engineering - Cohort 10					Updated:	9 Dec 24
Date	Unit	Lesson Title	Start	End	Location	
CE1: IT Infrastructure Essentials		Key Topics: Week 1: Introduction to IT Infrastructure and Networks Week 2: Network Communications and Security Week 3: Operating Systems Week 4: Parts of a Computer Week 5: Servers Week 6: Best Practices for Networking	Start	End	Location	
MON	17 Mar-25	Welcome + Introduction	19:00	21:00	Online Zoom	
TUE	18 Mar-25	1.1 Introduction to IT Infrastructure	19:00	22:00	Online Zoom	
WED	19 Mar-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	20 Mar-25	1.2 Networking Essentials	19:00	22:00	Online Zoom	
FRI	21 Mar-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	22 Mar-25	CO Coaching	10:00	13:00	F2F	
SUN	23 Mar-25					
MON	24 Mar-25					
TUE	25 Mar-25	1.3 Network Communications Protocol	19:00	22:00	Online Zoom	
WED	26 Mar-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	27 Mar-25	1.4 Basic Security	19:00	22:00	Online Zoom	
FRI	28 Mar-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	29 Mar-25	CW Career Workshop #1 - Uncover Your Next Path: Career Discovery for Mid-Career Changers	10:00	13:00	F2F	
SUN	30 Mar-25					
MON	31 Mar-25	PH Hari Raya Puasa				
TUE	1 Apr-25	1.5 Servers Administration I	19:00	22:00	Online Zoom	
WED	2 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	3 Apr-25	1.6 Servers Administration II	19:00	22:00	Online Zoom	
FRI	4 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	5 Apr-25	CO Coaching	10:00	13:00	F2F	
SUN	6 Apr-25					
MON	7 Apr-25					
TUE	8 Apr-25	1.7 Network Security	19:00	22:00	Online Zoom	
WED	9 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	10 Apr-25	1.8 High Availability & Disaster Recovery	19:00	22:00	Online Zoom	
FRI	11 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	12 Apr-25	CO Coaching	10:00	13:00	F2F	
SUN	13 Apr-25					
MON	14 Apr-25	CW Career Workshop #2 - Stand Out: Building a Powerful Professional Brand	19:00	22:00	Online Zoom	
TUE	15 Apr-25	1.9 Load Balancing	19:00	22:00	Online Zoom	
WED	16 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	17 Apr-25	1.10 Database I	19:00	22:00	Online Zoom	
FRI	18 Apr-25	PH Good Friday				
SAT	19 Apr-25	CO Coaching	10:00	13:00	F2F	
SUN	20 Apr-25					
MON	21 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
TUE	22 Apr-25	1.11 Database II	19:00	22:00	Online Zoom	
WED	23 Apr-25	Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	24 Apr-25	1.12 Cloud Migration	19:00	22:00	Online Zoom	
FRI	25 Apr-25	Assignment + Module Quiz + Self Study	19:00	22:00	Self study	
SAT	26 Apr-25	CO Coaching	10:00	13:00	F2F	
SUN	27 Apr-25					
CE2: Cloud Technologies Essentials and Architectural Design		Key Topics: Week 1: Introduction to Cloud Week 2: Service Models Week 3: Database and Permissions Week 4: Security and Deployment Week 5: Content Delivery Week 6 and 7: Principles in Cloud Architecture Design Week 8: Infrastructure as Code Week 9 and 10: Cloud Certification Training				
MON	28 Apr-25					
TUE	29 Apr-25	2.1 Principles in Cloud Arch. Design	19:00	22:00	Online Zoom	
WED	30 Apr-25	2.2 Infrastructure as Code 1	19:00	22:00	Online Zoom	
THU	1 May-25	PH Labour Day				

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	Date	Unit	Lesson Title	Start	End	Location
FRI	2 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	3 May-25	CO	Coaching	10:00	13:00	F2F
SUN	4 May-25					
MON	5 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
TUE	6 May-25	2.3	Infrastructure as Code 2	19:00	22:00	Online Zoom
WED	7 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	8 May-25	2.4	Infrastructure as Code 3	19:00	22:00	Online Zoom
FRI	9 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	10 May-25	CO	Coaching	10:00	13:00	F2F
SUN	11 May-25					
MON	12 May-25	PH	Vesak Day			
TUE	13 May-25	2.5	Database as a Service	19:00	22:00	Online Zoom
WED	14 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	15 May-25	2.6	Permission & Policies	19:00	22:00	Online Zoom
FRI	16 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	17 May-25	CO	Coaching	10:00	13:00	F2F
SUN	18 May-25					
MON	19 May-25					
TUE	20 May-25	2.7	Security Groups	19:00	22:00	Online Zoom
WED	21 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	22 May-25	2.8	Software Deployment Requirements	19:00	22:00	Online Zoom
FRI	23 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	24 May-25	CO	Coaching	10:00	13:00	F2F
SUN	25 May-25					
MON	26 May-25	CW	Career Workshop #3 - Connecting with Purpose: Networking for Career Transitions	19:00	22:00	Online Zoom
TUE	27 May-25	2.9	Deployment as a Service	19:00	22:00	Online Zoom
WED	28 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	29 May-25	2.10	CDN & Availability Zones	19:00	22:00	Online Zoom
FRI	30 May-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	31 May-25	CO	Coaching	10:00	13:00	F2F
SUN	1 Jun-25					
MON	2 Jun-25					
TUE	3 Jun-25	2.11	Principles in Cloud Arch. Design - Security	19:00	22:00	Online Zoom
WED	4 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	5 Jun-25	2.12	Principles in Cloud Arch. Design - Reliability	19:00	22:00	Online Zoom
FRI	6 Jun-25	CO	Coaching	19:00	22:00	Online Zoom
SAT	7 Jun-25	PH	Hari Raya Haji			
SUN	8 Jun-25					
MON	9 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
TUE	10 Jun-25	2.13	Principles in Cloud Arch. Design - Performance	19:00	22:00	Online Zoom
WED	11 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	12 Jun-25	2.14	Principles in Cloud Arch. Design - Cost Optimization	19:00	22:00	Online Zoom
FRI	13 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	14 Jun-25	CO	Coaching	10:00	13:00	F2F
SUN	15 Jun-25					
MON	16 Jun-25					
TUE	17 Jun-25	2.15	Principles in Cloud Arch. Design - Operational Excellence	19:00	22:00	Online Zoom
WED	18 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
THU	19 Jun-25	2.16	Infrastructure as Code	19:00	22:00	Online Zoom
FRI	20 Jun-25		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	21 Jun-25	CO	Coaching	10:00	13:00	F2F
SUN	22 Jun-25					
MON	23 Jun-25		Cloud Certification Self-Study	19:00	22:00	Self study
TUE	24 Jun-25		Cloud Certification Self-Study	19:00	22:00	Self study
WED	25 Jun-25		Cloud Certification Self-Study	19:00	22:00	Self study
THU	26 Jun-25		Cloud Certification Self-Study	19:00	22:00	Self study
FRI	27 Jun-25		Cloud Certification Self-Study	19:00	22:00	Self study
SAT	28 Jun-25	CO	Coaching	10:00	13:00	F2F
SUN	29 Jun-25					

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Date	Unit	Lesson Title	Start	End	Location	
MON 30 Jun-25	CW	Career Workshop #4 - Crafting the Perfect Resume: Telling Your Unique Story	19:00	22:00	Online Zoom	
TUE 1 Jul-25		Cloud Certification Self-Study	19:00	22:00	Self study	
WED 2 Jul-25		Cloud Certification Self-Study	19:00	22:00	Self study	
THU 3 Jul-25		Cloud Certification Self-Study	19:00	22:00	Self study	
FRI 4 Jul-25		Cloud Certification Self-Study	19:00	22:00	Self study	
SAT 5 Jul-25	CO	Coaching	10:00	13:00	F2F	
SUN 6 Jul-25						
CE3: DevSecOps Essentials & System Monitoring Strategies		Key Topics: Week 1: Introduction to GIT Week 2: Software Deployment Week 3: Cloud Native Application Week 4: Cloud Migration Week 5: Introduction to DevOps Week 6: Continuous Integration & Continuous Deployment Week 7: Security Week 8: Application Logging in Cloud Week 9 and 10: Project Creation				
MON 7 Jul-25						
TUE 8 Jul-25	3.1	Introduction to GIT I	19:00	22:00	Online Zoom	
WED 9 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 10 Jul-25	3.2	Introduction to GIT II	19:00	22:00	Online Zoom	
FRI 11 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT 12 Jul-25	CO	Coaching	10:00	13:00	F2F	
SUN 13 Jul-25						
MON 14 Jul-25						
TUE 15 Jul-25	3.3	Deploying Cloud Native App	19:00	22:00	Online Zoom	
WED 16 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 17 Jul-25	3.4	Cloud Native Application - Containerization I	19:00	22:00	Online Zoom	
FRI 18 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT 19 Jul-25	CO	Coaching	10:00	13:00	F2F	
SUN 20 Jul-25						
MON 21 Jul-25						
TUE 22 Jul-25	3.5	Cloud Native Application - Containerization II	19:00	22:00	Online Zoom	
WED 23 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 24 Jul-25	3.6	Cloud Native Application - Serverless I	19:00	22:00	Online Zoom	
FRI 25 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT 26 Jul-25	CO	Coaching	10:00	13:00	F2F	
SUN 27 Jul-25						
MON 28 Jul-25						
TUE 29 Jul-25	3.7	Cloud Native Application - Serverless II	19:00	22:00	Online Zoom	
WED 30 Jul-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 31 Jul-25	3.8	Cloud Migration and Microservices	19:00	22:00	Online Zoom	
FRI 1 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT 2 Aug-25	CO	Coaching	10:00	13:00	F2F	
SUN 3 Aug-25						
MON 4 Aug-25						
TUE 5 Aug-25	3.9	Introduction to DevOps	19:00	22:00	Online Zoom	
WED 6 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 7 Aug-25	3.10	Continuous Integration	19:00	22:00	Online Zoom	
FRI 8 Aug-25	CO	Coaching	19:00	22:00	Online Zoom	
SAT 9 Aug-25	PH	National Day				
SUN 10 Aug-25						
MON 11 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
TUE 12 Aug-25	3.11	Continuous Deployment - Container	19:00	22:00	Online Zoom	
WED 13 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU 14 Aug-25	3.12	Continuous Deployment - Serverless	19:00	22:00	Online Zoom	
FRI 15 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT 16 Aug-25	CO	Coaching	10:00	13:00	F2F	
SUN 17 Aug-25						
MON 18 Aug-25	CW	Career Workshop #5 - Ace the Interview and Beyond: From Preparation to Next Steps	19:00	22:00	Online Zoom	
TUE 19 Aug-25	3.13	Secret Management	19:00	22:00	Online Zoom	

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	Date	Unit	Lesson Title	Start	End	Location	
WED	20 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	21 Aug-25	3.14	Package Vulnerability Scan	19:00	22:00	Online Zoom	
FRI	22 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	23 Aug-25	CO	Coaching	10:00	13:00	F2F	
SUN	24 Aug-25						
MON	25 Aug-25						
TUE	26 Aug-25	3.15	Application Logging - CloudWatch	19:00	22:00	Online Zoom	
WED	27 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	28 Aug-25	3.16	Case Study & Capstone Prep	19:00	22:00	Online Zoom	
FRI	29 Aug-25		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	30 Aug-25	CO	Coaching	10:00	13:00	F2F	
SUN	31 Aug-25						
MON	1 Sep-25		Project	19:00	22:00	Self study	
TUE	2 Sep-25		Project	19:00	22:00	Self study	
WED	3 Sep-25		Project	19:00	22:00	Self study	
THU	4 Sep-25		Project	19:00	22:00	Self study	
FRI	5 Sep-25		Project	19:00	22:00	Self study	
SAT	6 Sep-25		Project	10:00	13:00	Self study	
SUN	7 Sep-25						
MON	8 Sep-25		Project	19:00	22:00	Self study	
TUE	9 Sep-25		Project	19:00	22:00	Self study	
WED	10 Sep-25		Project	19:00	22:00	Self study	
THU	11 Sep-25		Project	19:00	22:00	Self study	
FRI	12 Sep-25		Project	19:00	22:00	Self study	
SAT	13 Sep-25	PP	Presentation	10:00	13:00	F2F	
SUN	14 Sep-25						

- All lecture will be facilitated Virtually unless otherwise stated
- F2F lecture will be held at NTU@one-north campus (off North Buona Vista Road)
- NTU reserves the right to change the date, mode/venue of lesson or cancel class due to unforeseen circumstances