

SITE RELIABILITY ENGINEERING

SRE Foundation Certification

The complete program guide — full 7-module syllabus, exam format, hands-on activity index, salary & career roadmap, and the GSDC career-support package. Everything you need to build reliable, scalable, high-performing systems.

7 Core Modules

Globally Recognized

ANSI Accredited Member

Hands-On Learn-by-Doing

Live Expert Sessions

INTRODUCTION

What is Site Reliability Engineering?

Site Reliability Engineering (SRE) is a discipline that combines software engineering and systems administration to build, operate, and maintain highly available, scalable, and efficient systems. Pioneered at Google, SRE treats operations as a software problem — applying engineering rigor to keep production services reliable while still moving fast.

Rather than choosing between speed and stability, SRE gives teams a measurable framework — Service Level Objectives, error budgets, and toil reduction — to balance new feature delivery against the reliability users expect. The result is fewer outages, faster recovery, and engineering effort spent where it matters most.

99.9%+

Availability targets SREs are built to protect

75%

Of enterprises projected to adopt SRE practices by 2027

2

GSDC SRE tiers: Foundation & Practitioner

Why this credential exists

The GSDC SRE Foundation Certification is a roadmap to the principles and practices that allow an organization to reliably and economically scale critical services. It validates that you can apply core SRE concepts — SLIs, SLOs, error budgets, automation, observability, and incident management — to enhance reliability, scalability, and performance.

Engineering, not firefighting

Automate repetitive work and design systems that recover gracefully instead of reacting to every alert.

Measured reliability

Quantify service health with SLIs and SLOs, then spend the error budget on innovation.

Shared ownership

Break the wall between Dev and Ops through blameless culture and collaborative on-call.

THE RELIABILITY IMPERATIVE

Why SRE matters more than ever in 2026

As businesses depend more on digital systems, the cost of downtime keeps climbing. Cloud-native architectures, microservices, and global traffic make systems more powerful — and far more complex. SRE is how leading organizations keep that complexity reliable without slowing innovation.

Cloud-native scale

Microservices and hybrid-cloud deployments multiply the moving parts that must stay available.

AI-driven demand

AI workloads raise the bar for predictive reliability and autonomous remediation.

User expectations

Customers expect always-on services; even minutes of downtime damage trust and revenue.

What organizations gain

- ✓ **Reduced downtime** through proactive monitoring, observability, and faster incident response.
- ✓ **Better collaboration** between development and operations teams under shared reliability goals.
- ✓ **Operational efficiency** — automation eliminates toil so engineers focus on high-value work.
- ✓ **Stronger SLAs** — services that meet commitments build customer and stakeholder confidence.

Trend shaping demand	Impact on SRE roles
Cloud & Kubernetes adoption	Reliability skills become core to every platform team.
AIOps & observability	Engineers blend ML signals with SLO-driven decision making.
Compliance & resilience	Regulated industries hire SREs to guarantee uptime and recovery.
Platform engineering	SRE principles underpin internal developer platforms.

Industry context drawn from public salary, hiring, and adoption reporting (Coursera, Glassdoor, Payscale, industry roadmaps, 2025–2026).

ABOUT THE COUNCIL

Why GSDC for your SRE credential

The Global Skill Development Council (GSDC) is an independent, vendor-neutral, international credentialing and certification organization for emerging technologies. Its content is curated by leading subject-matter experts and supported by thought leaders from world-class institutions.

ANSI Accredited Member

A proud member aligned with recognized conformity-assessment standards.

Vendor-neutral

Skills validated independent of any single tool or platform vendor.

Globally recognized

A credential that strengthens credibility with recruiters worldwide.

Trusted by professionals at leading organizations

Oracle Microsoft HP Cisco Amazon Deloitte Bank of America Volkswagen Veritas 75,000+ certified professionals

Who should earn this certification

Ideal candidate	Why it fits
DevOps & IT Engineers	Add measurable reliability practices to delivery pipelines.
System & Cloud Administrators	Transition into high-demand reliability-focused roles.
Software Developers	Build services that are observable and resilient by design.
Operations & Support Leads	Replace firefighting with engineering and automation.
IT Managers & Architects	Lead SRE adoption and set reliability strategy.

Prerequisites: No formal prerequisites. Prior IT or DevOps experience is helpful but not required to start at the Foundation level.

PROGRAM SNAPSHOT

SRE Foundation Certification at a glance

A focused, practitioner-built program that takes you from reliability fundamentals to job-ready confidence — combining self-paced learning, live expert sessions, hands-on activities, and a globally recognized exam.

Attribute	Detail
Level	Foundation (entry level — start of the SRE journey)
Format	Self-paced expert-led videos + daily live sessions
Modules	7 core modules with structured sub-topics
Exam	40 multiple-choice questions · online proctored
Duration	60 minutes
Attempts	2 exam attempts (1 free retake included)
Validity	Lifetime — no renewal fees
Guarantee	Money-back guarantee on eligible enrollments

What's included in your enrollment

- ✓ **3 SME Connect (1-on-1)** sessions with experienced practitioners.
- ✓ **E-learning library & ebook** covering the full syllabus.
- ✓ **Practice exams, capstone project** and interview-practice platform.
- ✓ **LinkedIn enhancer, resume builder** and job-support program.

★ FOUNDATION OFFER

Start your SRE journey with the right credential

Enroll in the GSDC SRE Foundation Certification and turn reliability skills into a measurable career advantage — globally recognized, hands-on, and built by practitioners.

[Enroll Now →](#)

FULL SYLLABUS · PART 1 OF 3

The 7-module syllabus

The curriculum follows the globally adopted SRE Foundation body of knowledge — seven modules that build from core principles to organization-wide adoption. Each module includes structured sub-topics covered in videos, readings, and hands-on activities.

1 SRE Principles & Practices

- What is Site Reliability Engineering
- SRE vs. DevOps: similarities & differences
- Core SRE principles & tenets
- Embracing risk & reliability trade-offs
- The role and mindset of an SRE
- Reliability as a feature

2 Service Level Objectives (SLOs) & Error Budgets

- Service Level Agreements (SLAs)
- Service Level Objectives (SLOs)
- Defining meaningful objectives
- Error budgets & their purpose
- Error budget policies
- Balancing reliability vs. velocity

How each module is delivered

Learn

Expert-led videos and an e-learning library you can revisit anytime.

Apply

Learn-by-Doing activities tie every concept to real production scenarios.

Validate

Practice questions and a capstone confirm you're exam-ready.

FULL SYLLABUS · PART 2 OF 3

Reducing toil & measuring reliability

3 Reducing Toil

- What is toil and why it matters
- Identifying toil in operations
- The cost of unmanaged toil
- Eliminating toil through automation
- Toil-reduction strategies & tooling
- Measuring toil reduction

4 Monitoring & Service Level Indicators (SLIs)

- Monitoring fundamentals
- The four golden signals
- Service Level Indicators (SLIs)
- Observability vs. monitoring
- Alerting principles & on-call health
- Dashboards & meaningful metrics

Modules 3 and 4 are the operational heart of SRE: first you reclaim engineering time by systematically eliminating toil, then you instrument systems so reliability is measured, observable, and actionable rather than guessed at.

50% OFF

Master all 7 modules for less

Claim your 50% discount on the full GSDC SRE Foundation Certification — every module, every hands-on activity, and the complete career-support package included.

[Claim 50% Off →](#)

FULL SYLLABUS · PART 3 OF 3

Automation, resilience & adoption

5 SRE Tools & Automation

- Automation principles & goals
- Infrastructure as Code (IaC)
- CI/CD & release engineering
- Configuration management
- Self-healing & autonomous remediation
- Tooling landscape overview

6 Anti-Fragility & Learning from Failure

- Designing for failure
- Blameless postmortems
- Incident management & response
- Chaos engineering basics
- Building anti-fragile systems
- Continuous improvement loops

7 Organizational Impact & Adopting SRE

- Building an SRE culture
- Team models & engagement
- Psychological safety & collaboration
- Measuring SRE success
- Scaling SRE across the organization
- Roadmap to SRE adoption

LEARNING OUTCOMES

What you'll be able to do

By the end of the program, you won't just recognize SRE terminology — you'll be able to apply it. These outcomes map directly to the day-to-day responsibilities hiring managers expect from reliability engineers.

- ✓ **Define and defend SLOs** — set service level objectives and manage error budgets to balance reliability and release velocity.
- ✓ **Instrument observability** — choose meaningful SLIs and the golden signals that reveal true service health.
- ✓ **Eliminate toil** — identify repetitive operational work and design automation to remove it.
- ✓ **Run blameless incidents** — lead response and postmortems that turn failure into durable improvement.
- ✓ **Apply automation patterns** — bring IaC, CI/CD, and self-healing thinking to production systems.
- ✓ **Champion SRE culture** — help an organization adopt reliability practices and shared ownership.

Skills employers map to these outcomes

SLI / SLO / SLA

Error Budgets

Observability

Incident Response

Automation

CI/CD

Postmortems

Toil Reduction

Reliability Culture

 LIMITED TIME

This enrollment window won't stay open

Lock in the GSDC SRE Foundation Certification at the current limited-time rate before pricing changes — and start turning these outcomes into job-ready proof.

[Secure My Seat →](#)

EXAM FORMAT, PASSING SCORE & VALIDITY

How the certification exam works

40

Multiple-choice questions

60 min

Total exam duration

Lifetime

Credential validity

Exam attribute	Detail
Question type	Multiple-choice (knowledge & scenario-based)
Number of questions	40
Duration	60 minutes (extra time may apply for non-native English speakers)
Passing score	Approximately 65–70%
Delivery	Online, remotely proctored
Open / closed book	Closed book
Attempts	2 attempts (1 free retake included)
Validity	Lifetime — no renewal or recertification fees
Result	Industry-recognized credential with a unique certification ID

Tips to pass on your first attempt

- ✓ **Work the practice exams** until you consistently clear the passing threshold.
- ✓ **Connect concepts to scenarios** — many questions test application, not memorization.
- ✓ **Use your SME sessions** to clarify SLOs, error budgets, and toil before exam day.
- ✓ **Complete the capstone** to reinforce end-to-end understanding.

Exam parameters reflect the standard SRE Foundation format; confirm current specifics at enrollment, as details may be updated by the certification body.

HANDS-ON ACTIVITY INDEX

Learn-by-Doing index

Reliability is a practical craft. Every module pairs concepts with hands-on activities so you build real skill, not just exam recall. Use this index to see how theory becomes practice.

#	Hands-on activity	Linked module
01	Draft an SLA, SLO and SLI set for a sample service	SLOs & Error Budgets
02	Calculate and allocate an error budget	SLOs & Error Budgets
03	Audit a workflow to identify and score toil	Reducing Toil
04	Design an automation to remove a toil source	SRE Tools & Automation
05	Map the four golden signals to a dashboard	Monitoring & SLIs
06	Tune alerting to reduce noise and on-call fatigue	Monitoring & SLIs
07	Run a simulated incident response exercise	Anti-Fragility
08	Write a blameless postmortem from a scenario	Anti-Fragility
09	Plan a basic chaos-engineering experiment	Anti-Fragility
10	Build an SRE adoption roadmap for a team	Organizational Impact
11	Capstone project: end-to-end reliability plan	All modules

48 HOURS ONLY

Your offer is valid for the next 48 hours

Enroll in the GSDC SRE Foundation Certification before the 48-hour window closes and get hands-on with every activity in this index.

[Enroll Within 48h →](#)

DAILY LIVE SESSIONS · MULTI-TIMEZONE

Live with global experts — in your timezone

Beyond self-paced videos, daily live sessions let you learn directly from global SRE practitioners and ask questions in real time. Sessions run across multiple timezones so you can join from anywhere.

Region / Timezone	Typical daily slot	Best for
Americas (ET / PT)	Morning & evening slots	North & South America
Europe / UK (GMT / CET)	Midday slots	Europe, UK, Africa
India / Gulf (IST / GST)	Evening slots	South Asia & Middle East
APAC (SGT / AEST)	Morning slots	Southeast Asia & Australia

A typical live week

Day	Live focus
Day 1	SRE principles & the reliability mindset
Day 2	SLAs, SLOs, SLIs & error budgets workshop
Day 3	Toil reduction & automation patterns
Day 4	Monitoring, observability & the golden signals
Day 5	Incident response, postmortems & anti-fragility
Day 6	Organizational adoption & exam readiness Q&A

Ask anything, live

Real-time Q&A with practitioners who run reliable systems at scale.

Exact times rotate by cohort; confirm the live calendar for your region at enrollment.

Recordings included

Miss a session? Catch up via your e-learning library on demand.

SALARY GUIDE

What Site Reliability Engineers earn

SRE consistently ranks among the better-paid engineering roles because reliability directly protects revenue. Compensation rises sharply with experience and specialized skills.

<p>\$166K</p> <p>Reported average SRE salary (Glassdoor, US)</p>	<p>\$170K+</p> <p>Top 10% of earners with specialized skills</p>	<p>\$340K</p> <p>Upper range for Director-level SRE roles</p>
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Career stage	Indicative total compensation (US)
Entry level (<1 yr)	~\$82,000
Early career (1–4 yrs)	~\$105,000
Mid career (5–9 yrs)	~\$121,000
Experienced (10–19 yrs)	~\$135,000
Director of SRE	~\$219,000 – \$340,000
Senior Principal SRE	~\$235,000 – \$359,000

Figures are indicative US ranges aggregated from public sources (Glassdoor, Coursera, Payscale, 2025–2026). Actual pay varies by location, employer, and skills.

↑ CAREER BOOST

Credentials translate into earning power

Engineers who validate reliability skills compete for higher-paying roles. Invest in the GSDC SRE Foundation Certification and strengthen your market value.

[Boost My Career →](#)

CAREER ROADMAP

Your path from Foundation to leadership

The Foundation certification is your entry point. From there, a clear ladder of roles opens up — each step adding scope, autonomy, and compensation.

- START** **SRE Foundation Certified**
Validate core principles — SLOs, error budgets, toil, observability, incident response.
- 01** **Associate / Junior SRE**
Support on-call, build dashboards, automate routine tasks under guidance.
- 02** **Site Reliability Engineer**
Own services, define SLIs/SLOs, lead automation and reliability improvements.
- 03** **Senior SRE**
Drive complex incident response, mentor peers, shape reliability architecture.
- 04** **Staff / Lead / Principal SRE**
Set technical direction across teams; design resilience at organizational scale.
- 05** **SRE Manager / Director of SRE**
Lead reliability strategy, headcount, and culture across the engineering org.

Next credential

Ready for more? After Foundation, the **GSDC Certified SRE Practitioner** builds the expertise to design, implement, and maintain reliable, scalable systems — the natural next step on this roadmap.

AI GOVERNANCE & RELIABILITY ROLES

SRE in the age of AI

AI is reshaping reliability work. Teams now integrate machine learning for predictive reliability and autonomous remediation — and someone has to keep AI-powered systems trustworthy, observable, and accountable. SRE skills are the foundation for these emerging roles.

Emerging role	What it focuses on
AIOps Engineer	Uses ML signals to detect, predict, and auto-resolve incidents.
ML Platform SRE	Keeps model-training and inference pipelines reliable at scale.
AI Reliability Engineer	Defines SLOs for AI services — latency, accuracy drift, availability.
AI Governance & Compliance Lead	Ensures AI systems meet reliability, safety, and regulatory standards.
Observability Engineer (AI)	Instruments AI systems so behavior is measurable and auditable.

Why SRE foundations transfer to AI governance

- ✓ **Measurable objectives** — the SLO/SLI discipline extends naturally to AI service guarantees.
- ✓ **Observability first** — governing AI requires the same instrumentation SRE teaches.
- ✓ **Blameless improvement** — postmortem culture supports responsible AI incident handling.
- ✓ **Automation & control** — autonomous remediation needs SRE guardrails to stay safe.

50% OFF

Future-proof your role in AI-era operations

Reliability skills are the gateway to AIOps and AI-governance careers. Get the GSDC SRE Foundation Certification now at 50% off and stay ahead of the shift.

Get 50% Off →

HIRING TRENDS

Where the demand is heading

Demand for SREs has surged alongside cloud computing, microservices, and automation. Businesses across sectors prioritize uptime and user experience, making reliability engineering a strategic investment.

<p>75% Of enterprises projected to adopt SRE by 2027</p>	<p>Global Demand across SaaS, cloud & digital services</p>	<p>Rising AIOps & platform-engineering openings</p>
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What employers are screening for

In-demand area	Why it's hot
Cloud platforms (AWS / Azure / GCP)	Reliability work is increasingly cloud-native.
Containers & Kubernetes	Orchestration skills are near-mandatory for SREs.
Automation (IaC, CI/CD)	Terraform, pipelines, and config management reduce toil.
Monitoring & observability	Prometheus-style metrics and tracing prove system health.
SLO & incident discipline	The reliability fundamentals this certification validates.

Credential = visibility
A recognized certification helps recruiters and hiring managers find you faster.

Cross-border edge
English fluency plus cloud and SRE skills opens global opportunities.

48 HOURS ONLY

Offer valid for the next 48 hours

Demand is climbing — position yourself now. Enroll in the GSDC SRE Foundation Certification before this 48-hour offer expires.

[Claim Within 48h →](#)

THE GSDC CAREER-SUPPORT PACKAGE

More than an exam — a career launchpad

Your enrollment includes a full support package designed to help you learn, pass, and get hired — not just earn a certificate.

1-on-1 SME Connect

3 personalized sessions with practitioners who run reliable systems at scale.

E-learning library

Expert-led videos, ebook, toolkits, cheat sheets and practice questions.

Practice & capstone

Practice exams, a capstone project, and an interview-practice platform.

LinkedIn & resume

Profile enhancer and professional resume builder to get noticed by recruiters.

Job-support program

Guidance to convert your new credential into interviews and offers.

GSDC membership

Join a global community of certified professionals across industries.

Confidence built in

- ✓ **2 exam attempts** — a free retake reduces the pressure of exam day.
- ✓ **Money-back guarantee** on eligible enrollments if it's not the right fit.
- ✓ **Digital badge** and unique certification ID to share and verify.

★ ENROLLMENT OPEN

Seats for the next live cohort are filling fast

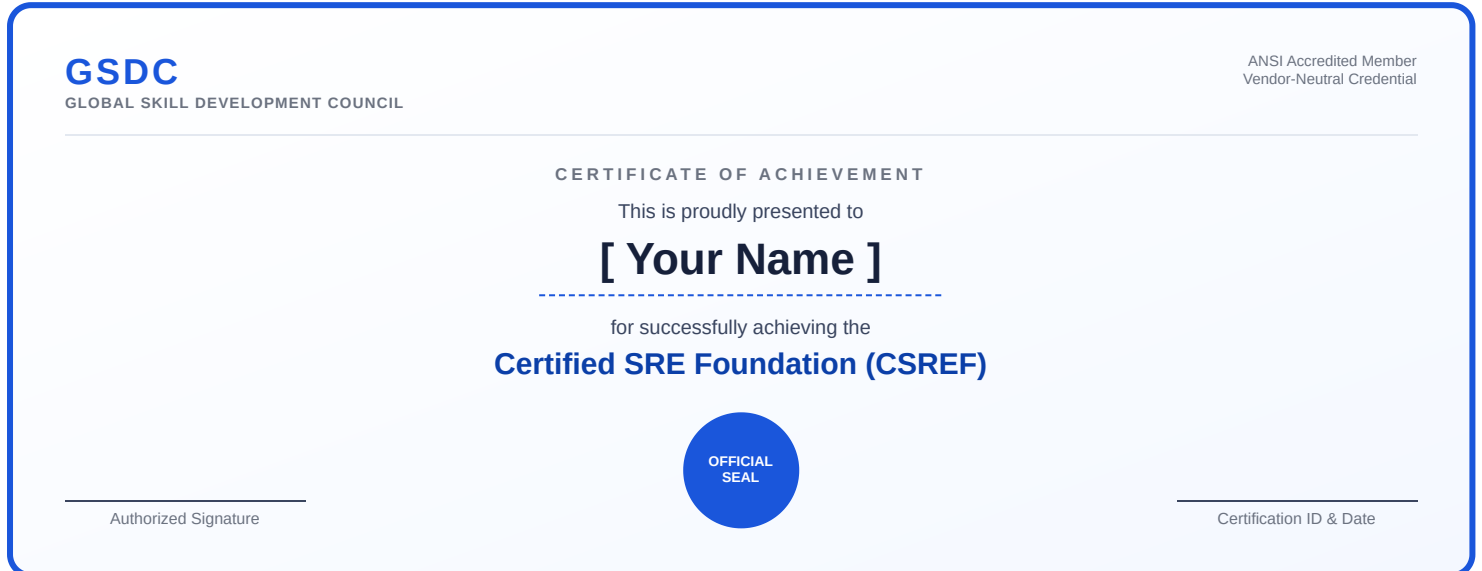
Join the GSDC SRE Foundation Certification while enrollment is open and claim the full career-support package — SME sessions, job support, and more.

[Reserve My Spot →](#)

SAMPLE CERTIFICATE

What you'll earn

On passing, you receive a globally recognized, verifiable certificate and digital badge — proof of your reliability-engineering expertise that you can share on LinkedIn and with employers.



Verifiable

Unique certification ID lets employers confirm your credential instantly.

Shareable badge

Add a digital badge to LinkedIn, email signatures, and your resume.

Lifetime validity

No expiry and no renewal fees — earn it once, keep it for good.

Illustration only. Final certificate design, wording, and seal are issued by GSDC.

FREQUENTLY ASKED QUESTIONS

Everything you might be wondering

Question	Answer
Do I need prerequisites?	No formal prerequisites. IT or DevOps experience helps but isn't required.
How is it delivered?	Self-paced expert videos plus daily live sessions across timezones.
What's the exam like?	40 multiple-choice questions, 60 minutes, online proctored, closed book.
What if I don't pass?	Your enrollment includes a free retake (2 attempts total).
Does it expire?	No — the credential carries lifetime validity with no renewal fees.
Is there a guarantee?	Yes — a money-back guarantee applies to eligible enrollments.
What comes after Foundation?	The GSDC Certified SRE Practitioner is the recommended next step.
Will it help me get hired?	A recognized credential plus LinkedIn/resume tools boosts recruiter visibility.

This certification is right for you if...

- ✓ You want to move from reactive operations into engineering-driven reliability.
- ✓ You're a DevOps, cloud, or systems professional aiming for higher-value roles.
- ✓ You want a globally recognized, vendor-neutral credential that lasts a lifetime.

 FINAL 48 HOURS

Last call — your offer expires soon

This is the final window. Enroll in the GSDC SRE Foundation Certification within the next 48 hours before your discounted offer ends.

[Enroll Before It Ends →](#)

YOUR NEXT STEP

Become Certified SRE Foundation

You've seen the syllabus, the exam, the hands-on activities, and the career payoff. The reliable next move is simple — begin your certification journey today.

How enrollment works

- 01 Choose & enroll**
Pick the SRE Foundation program and complete your enrollment online.
- 02 Learn & practice**
Access videos, live sessions, hands-on labs, and practice exams.
- 03 Sit the exam**
Take the online proctored exam — with a free retake if needed.
- 04 Get certified**
Earn your verifiable certificate and digital badge for life.

Ready to build reliable systems and a reliable career?

Enroll in the GSDC SRE Foundation Certification and join 75,000+ professionals who chose a globally recognized credential.

[Enroll Now →](#)

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