CertLabs PBQ

One Lab Partner for Every IT & Cyber Course -- From BSc to Doctorate

Replace fragmented lab vendors with a single platform that covers every IT, cybersecurity, and computer science curriculum across all degree levels.

500+	**50+**	**100s**	**5,000+**	**AS→PhD**
LABS	CERT TRACKS	SKILL IQS	PBQS	ALL DEGREES

⚠ The Challenge Facing IT Programs Today

Fragmented Tools
Multiple vendors for cyber, cloud, programming -- different logins, pricing, support

Grading Overhead
Faculty spend 10+ hours/week manually grading lab work instead of teaching

Skills Gap Blind Spots
No way to measure student competencies before, during, or after a course

💡 How CertLabs Solves It

✓ Consolidate Vendors
One platform for cybersecurity, cloud, networking, Linux, DevOps, programming, data, and AI -- 9 disciplines under one subscription.

🤖 Auto-Grade Everything
Every lab, assessment, and Skill IQ is auto-graded with instant feedback. Grades sync directly to your LMS gradebook.

🧠 Skill IQ Diagnostics
Measure student competencies with Skill IQ assessments: Cyber Skill IQ, Cloud Skill IQ, OS Skill IQ, LLM Skill IQ, Programming Skill IQ, and more.

🎓 BSc Through PhD
Lab sets designed for every level -- from BSc programs through MSc research and PhD-level advanced topics.

📈 Measurable Institutional Outcomes

94%	**3x**	**10+**	**$0**
Cert Pass Rate	Faster Learning	Hours Saved/Wk	Infra Cost
vs 68% industry avg	hands-on vs lecture	per instructor	100% cloud-hosted

🏅 Powered by ACI Learning Methodology
CertLabs PBQ is built on the proven ACI Learning approach to hands-on IT education. Every lab, assessment, and Skill IQ is designed by certified instructors who have trained over 1 million IT professionals worldwide. Our content is updated continuously to match the latest exam objectives and real-world enterprise environments.

Skill IQ Assessments -- Measure What Matters

Skill IQ diagnostics give faculty and administrators a quantitative measure of student competencies -- before, during, and after a course. Use them for placement, progress tracking, and graduation readiness verification.

Cyber Skill IQ	**Cloud Skill IQ**	**Operating Sys Skill IQ**
SOC ops, threat hunting, IR, compliance	AWS, Azure, GCP infra & security	Linux, Windows Server, shell, services

LLM Skill IQ	**Programming Skill IQ**	**Data Skill IQ**
Gen AI, prompt eng, responsible AI, NLP	Python, Java, C#, JS, TS, C++	SQL, analytics, BI, data governance

Networking Skill IQ	**DevOps Skill IQ**	**SysAdmin Skill IQ**
TCP/IP, routing, VLANs, wireless, VPN	CI/CD, containers, IaC, K8s, monitoring	AD, GPO, backup, virtualization

🎓 Supports Every Degree Level -- BSc Through PhD

✓ AS / AAS -- Information Technology	✓ AS / AAS -- Cybersecurity
✓ BS -- Computer Science	✓ BS -- Information Systems & Tech
✓ BS -- Cloud Computing & Infrastructure	✓ BS -- Data Science & Analytics
✓ MS -- Cybersecurity & Info Assurance	✓ MS -- Computer Science / Software Eng
✓ MS -- Data Science & Machine Learning	✓ MS -- IT Management & Governance
✓ PhD -- Computer Science / AI Research	✓ PhD -- Cybersecurity / Digital Forensics

🧪 9 Lab Disciplines at a Glance

Cybersecurity & SOC	**Cloud Computing**	**Linux Administration**
10 modules * 30+ labs	10 modules * AWS/Azure/GCP	CentOS, Ubuntu, shell

DevOps & Automation	**Networking**	**System Administration**
Docker, K8s, CI/CD, IaC	Routing, switching, VPN	Windows Server, AD, GPO

Programming	**Data & Analytics**	**AI & Machine Learning**
6 languages * 60 modules	SQL, ETL, BI, statistics	Gen AI, NLP, deep learning

🏅 Built for Accreditation & Compliance

🔗 NIST/NICE Framework Aligned
Labs and Skill IQs map to NIST/NICE workforce framework competency areas. Document student outcomes for ABET, HLC, and regional accreditation reviews.

📄 Outcome Documentation
Export detailed competency reports per student, per course, and per program. Skill IQ scores provide quantitative evidence for accreditation bodies.

👤 NSA CAE-Cyber Supportive
Lab content aligns to NSA/DHS Centers of Academic Excellence in Cybersecurity knowledge units and academic requirements.

✳️ 50+ Vendor Certifications
CompTIA, ISC2, ISACA, AWS, Microsoft, Google, Cisco, EC-Council, GIAC -- all exam objectives mapped to specific labs.

⇄ Replace Multiple Vendors with One Partner

❌ Before CertLabs
* Vendor A for cybersecurity labs -- $15/student
* Vendor B for cloud labs -- $20/student
* Vendor C for programming -- $12/student
* No AI/ML, data, or DevOps labs
* 3 different logins, 3 contracts, 3 support teams

Total: $47 per student per year + admin overhead

✅ With CertLabs
* ALL 9 disciplines in one platform
* 500+ labs, 5,000+ PBQs, Hundreds of Skill IQs
* LMS SSO -- one login for everything
* Auto-grading with grade sync
* Single account manager, one contract

Total: $2-8 per student per year -- up to 90% savings

🏷️ Transparent Academic Pricing

Small School
$5 per student per year
Up to 2,500 students

Large University
$2 per student per year
2,500+ students

Custom + White-Label
$8 per student per year
Custom labs + curriculum

> "Our Security+ pass rate went from 64% to 91% after integrating CertLabs. The Skill IQ assessments help us identify struggling students weeks before the final exam."
>
> **-- Dr. Michelle Torres, Dean of Technology**

🚀 Getting Started Is Easy

STEP 1
Book a Demo
20-minute walkthrough mapped to your courses

STEP 2
Select Students
Choose your plan and number of student seats

STEP 3
Pay & Activate
Instant checkout -- get student access codes same day

STEP 4
Connect LMS
Our team integrates with Canvas, Blackboard, Moodle, D2L

🛡️ Enterprise-Grade Security & Compliance
SOC 2 Type II compliant. FERPA compliant. All data encrypted at rest and in transit. 99.9% uptime SLA. US-based data centers. No student data shared with third parties -- ever.

Ready to Consolidate Your Lab Strategy?
Schedule a 20-minute demo to see CertLabs + Skill IQ in action

✉ **academic@certlabz.com**   🌐 **certlabz.com**   📅 **Book Demo**

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