



## UpGrade for Tech Leaders Industry Recognized Credential (IRC) List

The list below meets the definition of an IRC eligible for the Computer Science Educator Program. Professionals who hold an eligible IRC can receive the NH Computer Science Educator endorsement and are qualified to teach computer science classes in NH schools. At the end of year 1, these teachers will receive a \$5,000 bonus stipend, and then an additional \$2,500 for year 2, and \$2,500 for year 3.

If you have an IRC not listed, or if you have questions, please contact [upgrade@doe.nh.gov](mailto:upgrade@doe.nh.gov)

<b>Data Analytics and Visualization</b>	
Tableau Certified Data Analyst	<a href="#">Tableau Certified Data Analyst</a>
Tableau Certified Consultant	<a href="#">Tableau Certified Consultant Exam</a>
Tableau Certified Architect	<a href="#">Tableau Certified Architect Exam</a>
Microsoft Certified: Azure Data Scientist Associate	<a href="#">Microsoft Certified: Azure Data Scientist Associate - Certifications   Microsoft Learn</a>
CDP Data Developer	<a href="#">CDP Data Developer Exam Guide (CDP-3001) (cloudera.com)</a>
CDP Data Analyst	<a href="#">CDP Data Analyst Exam (CDP-4001) (cloudera.com)</a>
Microsoft Certified: Azure Enterprise Data Analyst Associate	<a href="#">Microsoft Certified: Azure Enterprise Data Analyst Associate - Certifications   Microsoft Learn</a>
AWS Certified Data Analytics	<a href="#">AWS Certified Data Analytics - Specialty Certification (amazon.com)</a>
Specialist - Data Scientist, Data Engineering Dell Proven Professional Certification	<a href="#">Specialist - Data Scientist, Data Engineering   Dell Technologies Education Service</a>
<b>Cloud</b>	
AWS Developer	<a href="#">AWS Certified Developer - Associate Certification (amazon.com)</a>
AWS Solutions Architect	<a href="#">AWS Certified Solutions Architect - Professional Certification   AWS Certification   AWS (amazon.com)</a>
Cisco Certified CyberOps Professional	<a href="#">Cisco Certified CyberOps Professional - Cisco</a>
CompTIA Cloud+	<a href="#">Cloud+ (Plus) Certification   CompTIA IT Certifications</a>
<b>Programming and Software Development</b>	
CLP C Certified Professional Programmer	<a href="#">CLP – C Certified Professional Programmer Certification – C++ Institute   C/C++ Certification and Training Programs (cppinstitute.org)</a>

CPP C++ Certified Professional Programmer	<a href="#">CPP – C++ Certified Professional Programmer Certification – C++ Institute   C/C++ Certification and Training Programs (cppinstitute.org)</a>
IBM Certified Developer - Business Automation Workflow V20.0.0.2 using Workflow Center	<a href="#">IBM Certified Developer - Business Automation Workflow V20.0.0.2 using Workflow Center</a>
SEMC Professional Software Engineering Master Certification	<a href="#">Professional Software Engineering Master Certification - IEEE Computer Society</a>
Oracle Certified Professional, Java SE 8 Programmer	<a href="#">Java SE 8 Programmer OCP Certification Path   Steps to Get Java Certified   Oracle University</a>
Oracle Certified Professional: Java SE 11 Developer	<a href="#">Oracle Certified Professional: Java SE 11 Developer   Oracle University</a>
PCAP Certified Associate in Python Programming	<a href="#">PCAP (pythoninstitute.org)</a>
PCPP1 Certified Professional in Python Programming 1	<a href="#">PCPP1 (pythoninstitute.org)</a>
PCPP2 Certified Professional in Python Programming 2	<a href="#">PCPP2 (pythoninstitute.org)</a>
Ruby Association Certified Ruby Programmer Silver	<a href="#">Ruby Association Certified Ruby Programmer Examination</a>
Ruby Association Certified Ruby Programmer Gold	<a href="#">Ruby Association Certified Ruby Programmer Examination</a>
Microsoft Certified: DevOps Engineer Expert	<a href="#">Microsoft Certified: DevOps Engineer Expert - Certifications   Microsoft Learn</a>
<b>Cybersecurity</b>	
CompTIA Security+	<a href="#">Security+ (Plus) Certification   CompTIA IT Certifications</a>
CompTIA CySA+	<a href="#">Cybersecurity Analyst+ (comptia.org)</a>
GISP GIAC Information Security Professional	<a href="#">GIAC Information Security Professional Certification   GISP</a>
GPYC GIAC Python Coder	<a href="#">GIAC Python Coder   Cybersecurity Certification</a>
GCIH GIAC Certified Incident Handler	<a href="#">GIAC Incident Handler Certification   GCIH</a>
GCFA GIAC Certified Forensic Analyst	<a href="#">GIAC Certified Forensic Analyst   Digital Forensics Certification</a>
GCIH GIAC Certified Intrusion Analyst	<a href="#">GIAC Intrusion Analyst Certification   GCIH</a>
GPEN GIAC Penetration Tester	<a href="#">GIAC Penetration Tester Certification   GPEN</a>
CISM Certified Information Security Manager	<a href="#">CISM Certification   Certified Information Security Manager   ISACA</a>
CISSP Certified Information Systems Security Professional	<a href="#">CISSP - Certified Information Systems Security Professional   ISC2</a>
CSSLP Certified Secure Software Lifecycle Professional	<a href="#">Software Security Certification   CSSLP - Certified Secure Software Lifecycle Professional   ISC2</a>

Microsoft Certified: Cybersecurity Architect Expert	<a href="#">Microsoft Certified: Cybersecurity Architect Expert - Certifications   Microsoft Learn</a>
<b>Network Architecture</b>	
CompTIA Network+	<a href="#">Network+ (Plus) Certification   CompTIA IT Certifications</a>
Microsoft Certified: Azure Solutions Architect Expert	<a href="#">Microsoft Certified: Azure Solutions Architect Expert - Certifications   Microsoft Learn</a>
Microsoft Certified: Windows Server Hybrid Administrator Associate	<a href="#">Microsoft Certified: Windows Server Hybrid Administrator Associate - Certifications   Microsoft Learn</a>
Microsoft Certified: Azure Network Engineer Associate	<a href="#">Microsoft Certified: Azure Network Engineer Associate - Certifications   Microsoft Learn</a>
<b>Big Data</b>	
HDPCD HDP Certified Developer	<a href="#">Microsoft Word - DataSheet_HDPCD_2.2.docx (hortonworks.com)</a>
Senior Big Data Engineer	<a href="#">Senior Big Data Engineer   Data Engineer Certification   DASCA</a>
Senior Big Data Analyst	<a href="#">Senior Big Data Analyst   Data Analyst Certification   DASCA</a>
MongoDB Associate DBA Exam	<a href="#">MongoDB DBA Course Certification Exam   MongoDB University</a>
MongoDB Associate Developer Exam	<a href="#">MongoDB Associate Developer Course Exam   MongoDB University</a>
Specialist - Data Scientist, Advanced Analytics Dell Proven Professional Certification	<a href="#">Specialist - Data Scientist, Advanced Analytics   Dell Technologies Education Service</a>
<b>Artificial Intelligence</b>	
Stanford University Artificial Intelligence Graduate Certificate	<a href="#">Artificial Intelligence Graduate Certificate   Program   Stanford Online</a>
<b>UX / UI</b>	
Nielsen Norman Group – UX Master Certification	<a href="#">Certification of UX Training Achievement with Nielsen Norman Group (nngroup.com)</a>
<b>Communications / VOIP</b>	
Cisco - CCNP Collaboration	<a href="#">CCNP Collaboration - Training &amp; Certifications - Cisco</a>