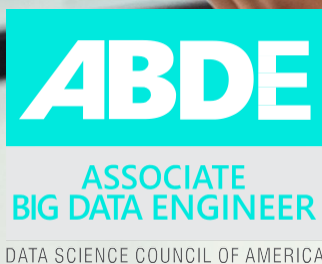




Boffin Institute of Data Science

<https://boffin.edu.lk/>



World-Class Big Data Certification Designed for Immediate Impact

Become a Certified

**ASSOCIATE
BIG DATA ENGINEER (ABDE™)**



Boffin Institute of Data Science

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ASSOCIATE BIG DATA ENGINEER (ABDE™)

Big Data Engineering and Development is one of the most in-demand Big Data career domains today.

The ABDE™ is a credible 3rd-party, vendor-neutral certification for young professionals who are working as an IT or software engineer or graduating university and tech-school students around the world, preparing them for exciting careers in Data Science. Proving your proficiency, potential, and promise for developing and engineering Big Data programs, software, and applications is done best through the internationally accepted and recognized ABDE™ certification.

If you are a data professional wanting to become a data engineering specialist the industry looks for, then investing in a data engineer certification would be the best bet for you!

**BUILD YOUR DATA ENGINEER
CAREER WITH DASCA'S
BIG DATA ENGINEERING
CERTIFICATION**

Why ABDE™

DASCA's Big Data Engineer Certifications are major international qualifications today for software engineers and programmers aspiring to enter or grow in the high demand Big Data development and engineering profession.

If you are a data personnel or a tech school student anywhere in the world, the Associate Big Data Engineer Credential from DASCA slots you best for the most exciting Big Data Engineering jobs.

DASCA-certified professionals can work across all popular, advanced, old, or new data engineering, and big data application development platforms, technologies, tools, use-cases, and user industries. DASCA credentials are incomparably valuable for job seekers as, unlike the narrowly focused platform-specific coverage of other certifications, DASCA credentials are based on a vendor-neutral body of knowledge.

Most of the Data Science certifications available today are offered by technology creators themselves, with narrow applicability to ONLY their specific technologies, platforms and products they develop. This is what sets DASCA apart.

WHAT IS THE WORLD SAYING ABOUT DASCA?



DASCA is the prime sponsor
of WDSI



The Data Science Degree
Programs Guide uses DASCA
recognition as a benchmark for
its selection of the top data
science certificate programs.



Hackr.io named vendor-neutral
certifications offered by
DASCA among the Top 8
Global Data Science
Certification Programs



DASCA Certifications validate and
test credential-holders in over 30
profession-critical knowledge
vectors



IntelliPaat dubbed DASCA
Certifications among the Top 10
Big Data Certifications recognized
in the world



DASCA certifications were listed
in "Top 18 Data Science
Certifications" for career
advancement by Indeed.com



The CIO Magazine reported the
Data Science certifications offered
by DASCA among the World's
Top 5 Must-Have Global
Credentials for top-end careers in
Big Data Engineer, engineering,
application development, and
Data Science leadership



DATA SCIENCE UBIQUITY

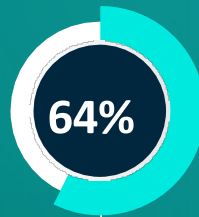
Business leaders say that the biggest benefit of using data engineering techniques is competitive advantage.

Data engineers are vital members of any enterprise data analytics team, responsible for managing, optimizing, monitoring data retrieval, storage and distribution throughout the organization.

TODAY,

73%
of companies are
investing in Data
Operations.

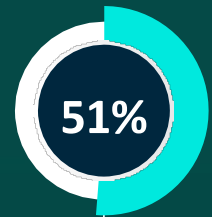
According to
a research
survey, the use
of data
engineering
leads to:



Improved efficiency
and productivity



Faster, more effective
decision-making



Better financial
performance

Now is the
time for you to
strike! Join the
team of elite
data
engineers.

The U.S. Bureau of Labor Statistics (BLS) anticipates that data-related jobs will grow by 28 percent, by 2026, leading to **11.5 million** jobs.

To drive the data-driven decision making culture and improve competitiveness, top organizations hunt for certified data engineers.

Get certified with
**DASCA's Big Data
Engineering Certification!**

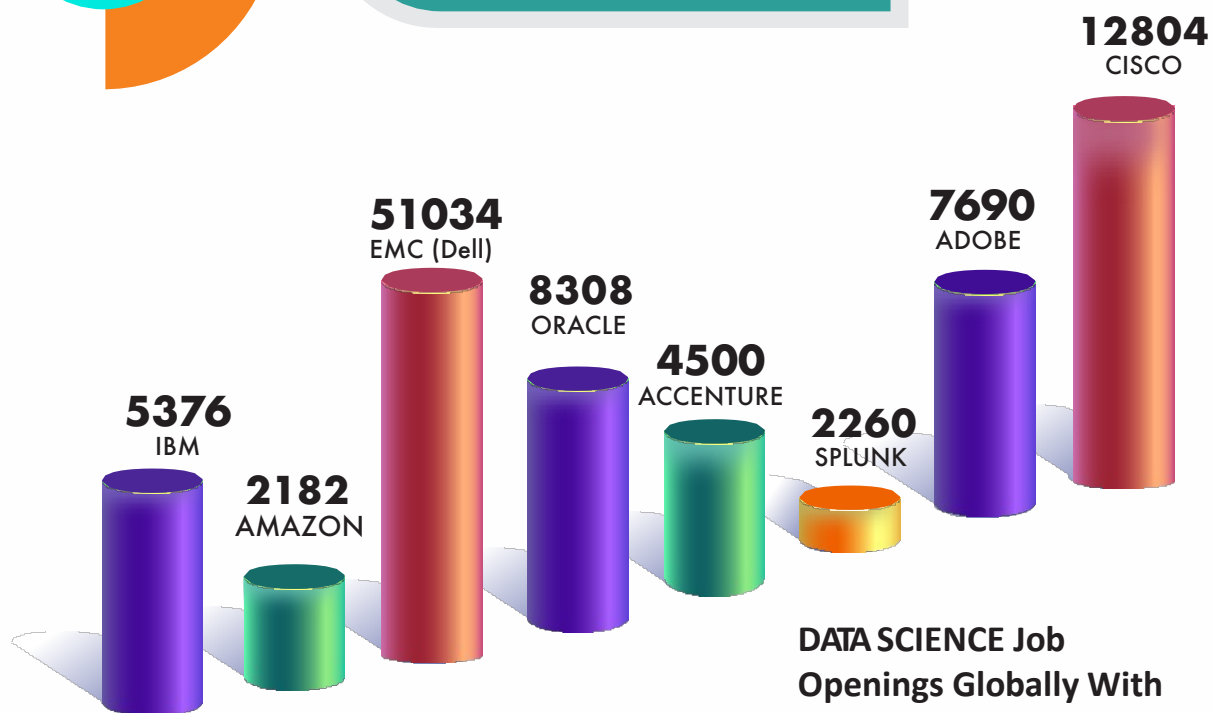
RISE IN DEMAND

Data Science has become the fuel of all modern technologies, driving professionals, machines, and success of organizations around the world. The demand for Data Scientists, Big Data Engineers, and Big Data Engineers is at a level unseen before.

According to Indeed,
the estimated base salary for
a Data Engineer is
\$117,135
per year.

50%

DICE's 2020 Tech Job Report highlighted 'data engineer' as the fastest-growing tech occupation, with a 50% year-on-year growth in job postings.

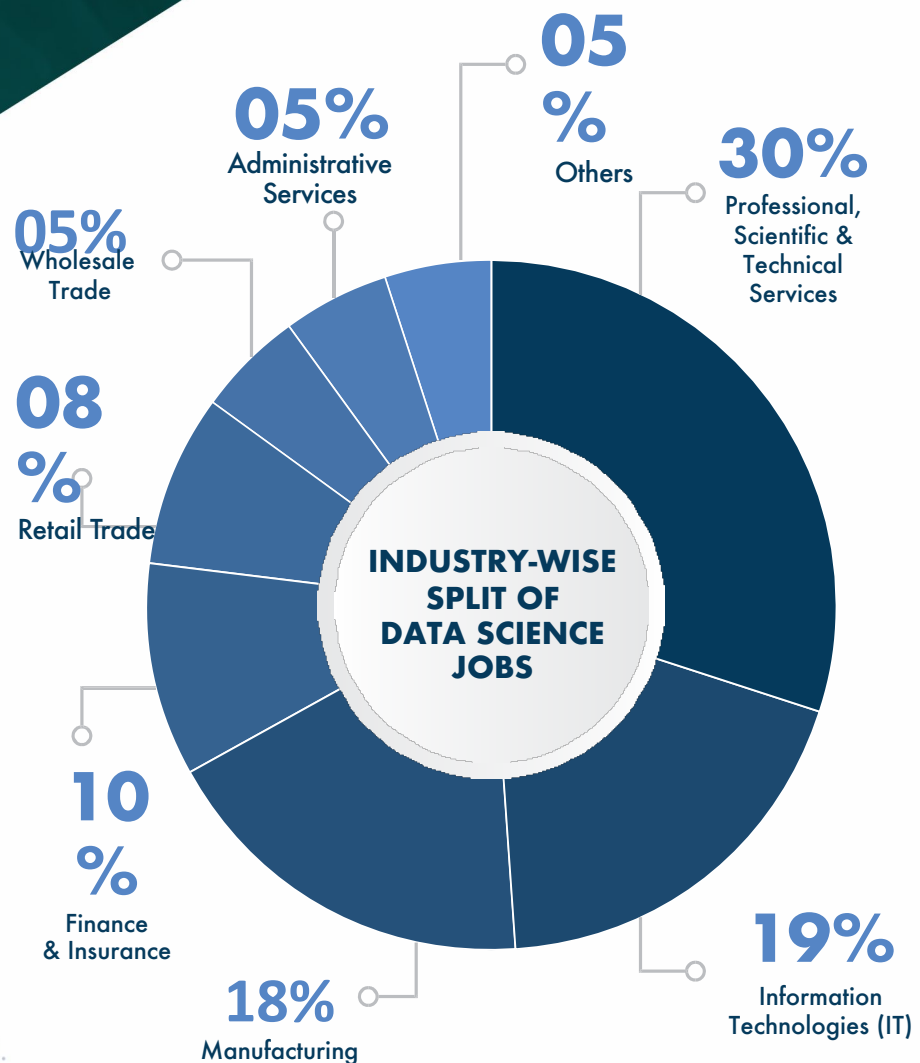


**DATA SCIENCE Job
Openings Globally With
TOP EMPLOYERS**

Source: Edvantic Analysis of various international studies on demand for data science professionals globally.

DATA SCIENCE JOBS

Data Science opportunities multiply as all business functions, industries, and sectors use more Data Science tools and software. Trained and certified professionals are required in large numbers to operate them effectively.



Source: Edvantic Analysis of various international studies on demand for data science professionals globally

Who could be an ASSOCIATE BIG DATA ENGINEER?

If you are working as an IT or software engineer, or are completing your Bachelor's/ undergraduate degree in Information Technology/ Computer Science/ Software Engineering from any nationally or internationally accredited institution, then the ABDE™ is undoubtedly the most important credential to earn at this stage.

**Data Engineering is a critical
part of an organization's data
strategy!**

Global Network of DASCA CERTIFIED PROFESSIONALS



THE CANDIDACY TRACKS

Ways to Become an ABDE™

The following table summarizes the specifics of what it takes to become an ABDE™. There are THREE convenient tracks covering professionals from diverse backgrounds to earn the ABDE™.

ABDE™ Track 1	ABDE™ Track 2	ABDE™ Track 3
Bachelor's Degree Holders	Associate Degree/ Diploma Holders	via DASCA-Recognized Institutions (QualiFLY™)
Minimum Qualification Required	Minimum Qualification Required	Minimum Qualification Required
Should have completed a <u>Bachelor's Degree</u> in Computer Science/ Information Technology/ Software Engineering or related disciplines from any nationally or internationally accredited institution.	Should have completed an <u>Associate Degree/ Diploma</u> in Computer Science/ Information Technology/ Software Engineering or related disciplines from any nationally or internationally accredited institution.	Current & past Students of Bachelor's Degree/ Associate Degree programs in Computer Science/ Information Technology/ Software Engineering or related disciplines from any of the DASCA-accredited or DASCA-recognized Institutions.
Minimum Work Experience	Minimum Work Experience	Minimum Work Experience
Experience not Mandatory; basic proficiency in using Python/ JAVA or any other programming language is desirable	Minimum 2 years of computing experience with proficiency in using Python/ JAVA or any other programming language	Experience not Mandatory; basic proficiency in using Python/ JAVA or any other programming language is desirable

EXAM PREPARATION MATERIAL

Individuals registered for the ABDE™ credential are provided with the full DASCA Exam Preparation Kit to help them study and prepare for their ABDE™ Certification examination. This kit is provided to all registrants across the world after DASCA has approved their candidacy for ABDE™, and they have processed their payment of the program registration fee.

The DASCA official exam preparation resources provided to registered ABDE™ candidates include:

Print copy of the Handbook 1:
Foundations of Big Data Engineering

Print copy of the Handbook 2:
Advanced Big Data Engineering

Practice tests for ABDE™ exam on the myDASCA candidate dashboard

Exam preparation guide



EXAMINATION COVERAGE INFORMATION

Official DASCA Exam Preparation Kit is designed to prepare the candidates for the ABDE™ certification examinations and provide aspiring Big Data Engineer critical exposure to popular proprietary platforms in the Big Data applications space while preparing them for their certification examination as well.

The Official DASCA Exam Preparation Kit contents cover all essential knowledge areas in Big Data and are divided into different sections and modules. For complete details, please see the following page:

EXAMINATION COVERAGE INFORMATION

<ul style="list-style-type: none"> • Foundations of Data Science Understanding of how data science helps tap the big power of big data and derive information and intelligence for decision-making; framework of concepts and generic models of managing and harnessing big data 	15%
<ul style="list-style-type: none"> • Data Processing Framework & Hadoop Generic big data processing framework; the Hadoop Ecosystem; storing, processing and modeling data in Hadoop 3; Hadoop Ecosystem tools for big data processing; Python and Hadoop 3 	20%
<ul style="list-style-type: none"> • Big Data Analytics Basics Understanding data types, data origination modes, streaming data; learning the frameworks of analyzing, managing and harnessing massive data using tools and applications like Python and R 	6%
<ul style="list-style-type: none"> • R and Hadoop Applications Building Data Analytics Applications; Capturing, processing, sorting, classifying, analyzing, managing and harnessing big data using the Hadoop ecosystem; understanding the use of combination of tools like R, Python and MapReduce etc., in big data analytics 	12%
<ul style="list-style-type: none"> • Analytics in Machine Learning and Ai Foundational concepts and framework of machine learning and artificial intelligence; understanding how big data analytics fires machine intelligence; using R and Python to program ML and AI applications; 	17%
<ul style="list-style-type: none"> • Streaming Data Storage High-volume streaming data storage; applications of document-oriented NoSQL database in high volume data storage and processing using MongoDB; MongoDB Data Structures; MongoDB Shell Applications 	05%
<ul style="list-style-type: none"> • Streaming Data Architectures Real time analytics; framework of real-time streaming data architectures; publish-subscribe messaging system; Kafka and Distributed Messaging; Building ETL Pipelines using Kafka; Building streaming applications using Kafka Streams 	05%
<ul style="list-style-type: none"> • Streaming & Batch Data Processing Framework of stream and batch data processing and analytics; Big Data Processing with Apache, Spark, and Scala; PySpark and SparkR for Big Data Analytics; Big Data Processing with Apache Flink 	08%
<ul style="list-style-type: none"> • Enterprise Data Analytics Implementation Framework of developing enterprise-wide data analytics ecosystem; Elasticsearch and Enterprise Big Data search; Hadoop Cluster deployment and security; Big Data Processing on Cloud; Building a Data Analytics Pipeline 	12%

THE ABDE™ CERTIFICATION PROCESS

01

Start by confirming your fit for ABDE™ and choosing one of the three registration tracks that suit you best. You can [check here](#) if ABDE™ certification meets your career needs and that you satisfy the minimum candidacy/ eligibility requirements prescribed for ABDE™.

02

If you are eligible, the next step is to register with our next ABDE™ exam preparation course. If you wish to participate, [register with us](#) today.

03

Once your ABDE™ application is accepted and you have completed your fee payment, your registration in ABDE™ is deemed complete and a registration confirmation message is sent to you. At this point, the full access to your myDASCA account too would be activated.

04

Within 72 hours of registration confirmation, instructions will be released to ship the DASCA exam-preparation kit containing the two Big Data Analytics handbooks to the mailing/ shipping address you have registered with us. Standard delivery timeframe is 3-4 weeks. You must verify the shipping address mentioned on your myDASCA dashboard, and change it if you wish to, within 72 hours of completing your fee payment.

05

Once you are ready for the ABDE™ certification exam, you can register for it right from your dashboard. There is no big hurry, though. DASCA gives ABDE™ candidates a period of 180 days from the date of registration confirmation to pass the ABDE™ certification exam.

06

Once you pass the ABDE™ certification exam and meet the other requirements prescribed by the DASCA Professional certifications Board (DPCB), the award of the ABDE™ certification is approved for you. While the ABDE™ Digital Badge is released within 96 hours of the award approval, you can expect the physical ABDE™ credential kit (containing a printed ABDE™ certificate and the ABDE™ designation pin) to reach you within 3-4 weeks from the date of award.



ABOUT DASCA

The Data Science Council of America (DASCA) researches, designs, and builds platform-independent Data Science knowledge frameworks, standards, and credentials, and certifies individuals entering or working across the spectrum of emerging Data Science professions. The prime goal of DASCA today is to constantly strive to refine and optimize the numerous roles and jobs in the Big Data/ Data Science space into concrete, sharply defined professions.

DASCA credentials, approaches, initiatives, and programs work toward developing high-quality professionals to address squarely the challenging expectations of Data Science stakeholders internationally. Big Data Engineers, Big Data Analysts, and Data Scientists credentialed by DASCA form the world's top-tier data science professionals.

Data Science Council of America

For further queries, please write to us at info@dasca.org

Connect with us



ABOUT BOFFIN

Boffin Institute of Data Science is a DASCA Authorized Education Provider in Sri Lanka. The institute started in June 2020 with the vision of becoming the leading knowledge partner for Data Science in the corporate and academic sector in the region.

Currently, we have delivered several training programs for business professionals and corporates. Most of our participants are from the areas of Finance, Supply Chain, IT, Marketing, and Management.

In striving toward our development goals, we are delighted to offer the DASCA Certifications to the business professionals in Sri Lanka.

[Read more about our partnership with DASCA.](#)

Boffin Institute of Data Science

For further queries, please write to us at info@boffin.eu.com

Connect with us

