dasca™
DATA SCIENCE COUNCIL OF AMERICA

SBDE™
SENIOR BIG DATA ENGINEER
DATA SCIENCE COUNCIL OF AMERICA

HOW TO BECOME A CERTIFIED
SENIOR BIG DATA ENGINEER

SENIOR BIG DATA ENGINEER (SBDE™) – THE OVERVIEW

Big Data is the most happening of all the career–domains today for energetic, talented, and creative software professionals. The **SBDE™** by the **Data Science Council of America** (DASCA) is the world's most credible 3rd party, vendor–neutral certification for experienced software engineers and professionals who are either already in the Big Data groove or may be aspiring to enter the space. The **SBDE™** can be the most reliable differentiator of your high proficiency, potential, and promise for working on the most challenging of Big Data software and applications development projects internationally.

WHY SBDE™

DASCA Big Data Engineering 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 an ambitious software engineer or a programming professional, the Senior Big Data Engineer Credential from DASCA assures you the surest entry into the lucrative Big Data development space.

WHO COULD BE A SENIOR BIG DATA ENGINEER

The **SBDE™** can be an ideal qualification to acquire if you have completed your Undergraduate Degree in Information Technology / Computer Science, OR a Diploma in Computer Programming / Software Engineering from an internationally accredited institution, and are now working as a Software Engineer or a Coder or a Programmer in any tech–space.

TOP 6 REASONS WHY DASCA CERTIFICATIONS BECOME A MUST FOR ALL DATA SCIENCE PROFESSIONALS

01.

A DASCA credential draws the **Best Big Data jobs** to you

02.

Around **15 million** Data Science professionals are demanded **by 2020!**

03.

DASCA-certified professionals can earn **40% - 50% higher!**

04.

The best roles go to those holding a specialist **Data Science** qualification

05.

DASCA Credentials are globally respected and relevant

06.

The **DASCA-certified** are secure even during economic downturns and technology changes.

THE CANDIDACY TRACKS

Ways to Become an SBDE™
The following table summarizes the specifics of what it takes to become an **SBDE™**. There are FOUR convenient tracks covering Software Engineers from diverse backgrounds and experience to earn an **SBDE™!**

SBDE™ Track 1	SBDE™ Track 2	SBDE™ Track 3	SBDE™ Track 4
Bachelor's Degree	**Master's Degree**	**Bachelor's Degree (QualiFLY™)**	**Master's Degree (QualiFLY™)**
MINIMUM QUALIFICATION REQUIRED:	**MINIMUM QUALIFICATION REQUIRED:**	**MINIMUM QUALIFICATION REQUIRED:**	**MINIMUM QUALIFICATION REQUIRED:**
Should have completed **Bachelor's Degree** in Computer Science/ Technology/ Engineering/ Applied Sciences/ Related disciplines.	Should have completed **Master's Degree** in Computer Science/ Technology/ Engineering/ Applied Sciences/ Related disciplines.	Should have completed **Bachelor's Degree** in Computer Science/ Technology/ Engineering/ Applied Sciences/ Related disciplines from any of the DASCA-recognized Institutions.	Current & Past Students of **Master's Degree** in Computer Science/ Technology/ Engineering/ Applied Sciences/ Related disciplines from any of the DASCA-recognized Institutions.
MINIMUM WORK EXPERIENCE:	**MINIMUM WORK EXPERIENCE:**	**MINIMUM WORK EXPERIENCE:**	**MINIMUM WORK EXPERIENCE:**
Minimum 2 years of experience of computing experience with proficiency in using Python/ JAVA or any other programming language	*Minimum 1 years of experience* of computing experience with proficiency in using Python/ JAVA or any other programming language	*Minimum 1 years of experience* 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

Getting the SBDE™ - A Preview of the Certification Process

There are six distinct stages of your journey toward becoming an **SBDE™**. Here's what these stages look like. Of course, we've just tried to take you through a quick tour, so many of the details may be missing. You may **Contact Us** for more information.

The SBDE™ Certification Process

01	CHECK ELIGIBILITY REQUIREMENTS

02	FILL ONLINE APPLICATION

03	VALIDATION

04	SBDE™ CERTIFICATION PREPARATION MATERIAL

05	TAKING THE SBDE™ CERTIFICATION EXAM

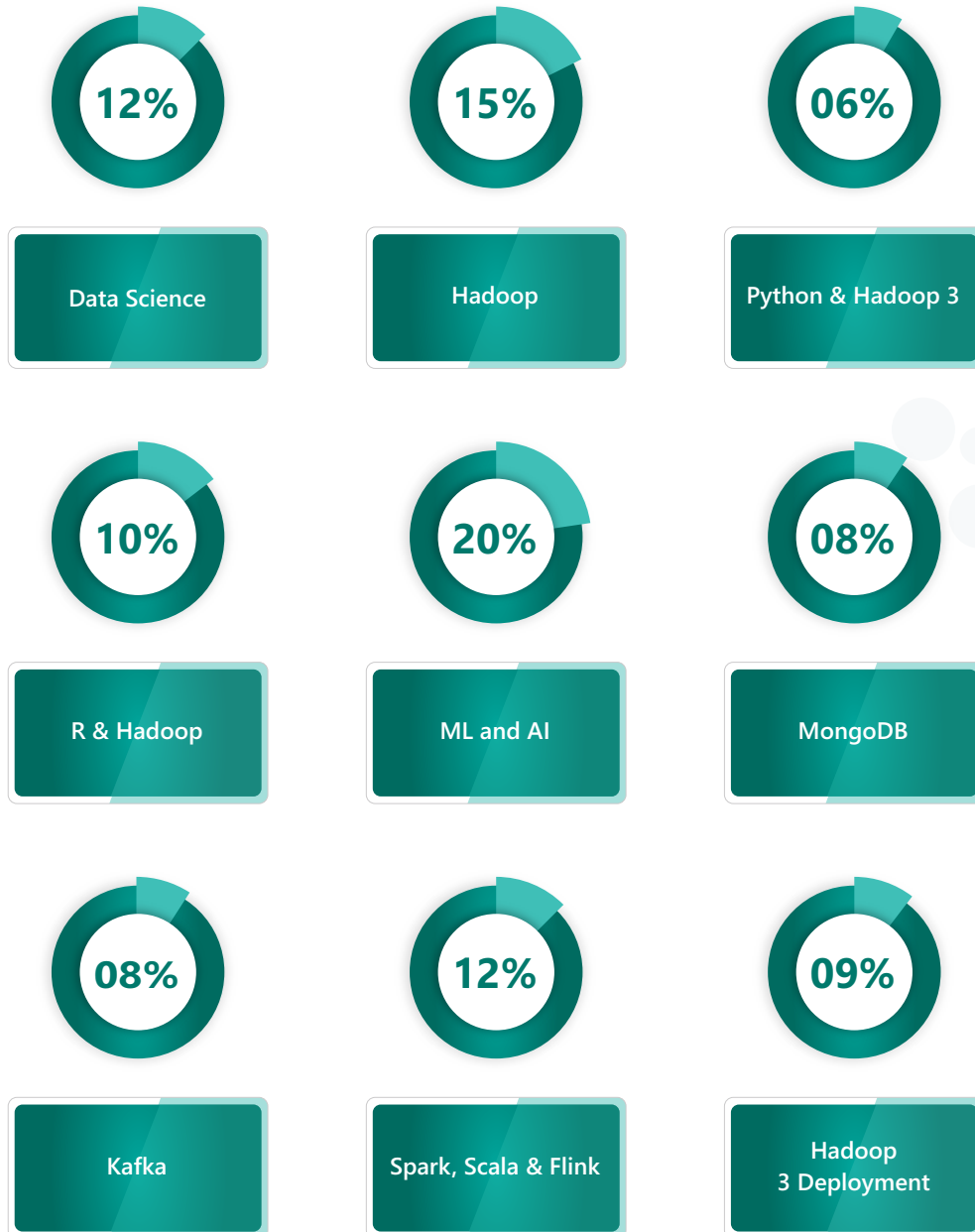| 06	AWARD

THE DIGITALLY BADGED SBDE™

Program Pre–requisites

The learning scope, requirements, and rigor of the **SBDE™** program necessitates that individuals intending to undergo the program have a prior, strong formal exposure and knowledge of the basic concepts of programming, and are hands–on with the tools and techniques of object oriented programming – knowing Core JAVA and being able to understand SQL statements.

They should also be confident on scripting languages like PERL or RUBY, and should have good, practical understanding of and exposure to working in the Linux and Unix environments. Further, **SBDE™** aspirants should be also comfortable with handling databases and spreadsheets, and at least have a theoretical understanding of how Big Data is used in business and in other domains of life and industry.

Examination Coverage Information

12% — Data Science

15% — Hadoop

06% — Python & Hadoop 3

10% — R & Hadoop

20% — ML and AI

08% — MongoDB

08% — Kafka

12% — Spark, Scala & Flink

09% — Hadoop 3 Deployment

SBDE™ Examination Preparation

Individuals registered for both the DASCA Big Data Engineer programs are provided with the full DASCA Certification Preparation Kit to help them study and prepare for their SBDE™ Certification examination.

This kit is provided completely FREE to all registrants across the world after DASCA has approved their candidacy for SBDE™, and their payment of the program registration fee is through. This DASCA Official Exam Preparation Kit for DASCA Engineer Certifications, consists of the following:

SBDE™ Handbook 1: Foundations of Big Data Engineering

SBDE™ Handbook 2: Advanced Big Data Engineering

Online Learning & Preparation Resources

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 Big Data professions. The prime goal of **DASCA** today is to constantly strive to refine and optimize the numerous roles and jobs in the Big Data 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 Big Data stakeholders internationally. Engineers, Analysts, and Scientists credentialed by **DASCA** form the world's top-league of the best-bred Big Data professionals.

To know more, please visit the **website**.

Become a Sought-After
BIG DATA ENGINEER

REGISTER NOW!

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