

One Cohesive Model – Data Science

A graduated professional certification through integrated learning & development to provide a path for professionals to continuously advance in the profession.

Developed to support, guide and ultimately accelerate the education process of fit-for-purpose Data Science Professionals.

- Breaks down the complexity of the skills and competencies needed to define Data Science as a professional practice.
- Defines the skills, knowledge items and competences required for each level of professional competence.



It is important for professionals and employers to be able to map and define the attributes, skills and knowledge that are essential to professional excellence in data science and where they interface and how they interact.

Certified Data Practitioner

Prerequisites for Participation:



Role encompasses data collection, cleaning and analysis, creating reports & communicating results.



Minimum 1 Year's Experience



STEM-related Bachelor's level or post graduate degree.

Competencies include: Common Analytics tools (MS- Excel), mathematical modelling and data visualization techniques. Can apply agile methodology to deliver project work.

Modules:

Future-Ready Cognitive Data skills:

- Critical Thinking, Innovation & Problem Solving
- Agile Project Delivery
- Communicating with Impact

Digital & Data Fluency skills:

- Data Preparation & Cleaning
- Data Analysis & Visualization with MS-Excel
- Data Challenge

18 Hours Training
Online Exam

Certified Data Professional

Prerequisites for Participation:



Role encompasses leveraging data analysis tools to support decision-making and complex project work.



Minimum 2 Year's Experience



STEM-related Bachelor's level or post graduate degree.

Competencies include: Professional analytics tools (MS-Power BI) and expert mathematical modelling. Communicates results at a senior level and negotiates and scopes project work within a data team.

Modules:

Future-Ready Cognitive Data skills:

- Innovation & Design Thinking
- Teamwork & Collaboration
- Stakeholder Management

Digital & Data Fluency skills:

- Data Analysis & Visualization with MS Power BI
- Building Beautiful Data Dashboards
- Data Challenge

18 Hours Training
Online Exam

Certified Data Expert

Prerequisites for Participation:



Broad technical expertise (Data Scientist, Architect or Engineer) and/or leads data teams at operational level.



Minimum 5 Year's Experience



STEM-related Bachelor's AND post-graduate qualification in a Data Analytics-related area.

Competencies include: Full understanding of complex organizational contexts, Python Programming/for AI, Machine Learning, predictive Analytics, NLP, Hadoop and Cloud platforms.

Modules:

Future-Ready Cognitive Data skills:

- Leading Continuous Innovation
- Team Leading & Coaching Skills
- Data Leadership & Strategy Development

Digital & Data Fluency skills:

- Python Primer
- Python for AI & Machine Learning
- Predictive Analytics
- Big Data Technologies
- Data Challenge

24 Hours Training
Online Exam

Certified Data Leader

Prerequisites for Participation:



- Employed as part of a senior management group, using data to support strategic decision-making.



- Champions data-driven culture and upholds ethical data practices.



- STEM-related Bachelors AND Masters in data analytics-related area with a post grad qualification in management.
- **Competencies include:** A full understanding of data platforms and technologies, Data Leaders are experts in data governance and ethical data practices, encourage innovation, communicate data value and drive data culture.

Modules:

Future-Ready Cognitive Data skills:

- Strategic Data Leadership
- Enabling Culture of Innovation
- Data Governance

Digital & Data Fluency skills:

- Data-driven Decision-making
- Data Ethics & Digital Maturity
- Data Platforms & Technologies

15 Hours Training
Online Exam