TDWI’s Enterprise Learning Solutions is a comprehensive training and development program that enables organizations to get the most out of their data initiatives. TDWI’s enterprise learning portfolio allows you to customize a program to meet your organization’s specific needs: onsite training, public educational events, online learning, and team membership.

**ONSITE EDUCATION**
In-depth, In-House Education

**TEAM MEMBERSHIP**
Advance Your Projects and Your Career

**ONLINE LEARNING**
Available Anywhere, Any Time.

**EVENTS**
Experience the Best Analytics, Business Intelligence, and Data Management Training Available

See page 16 for more information or visit:
tdwi.org/enterprise
ONSITE EDUCATION

TDWI Onsite Education brings world-class instruction to your doorstep. Our Onsite instructors are leading analytics practitioners who provide you with real-world experience to help accelerate your team’s skills and project goals today.

CONTENTS

2  Worldwide Training
3  TDWI Onsite Instructors
4–13 Course Categories
   4  3-Day Workshops NEW
   5  Hands-On Courses NEW
   6  Data Integration
   7  Data Management
   8  Data Modeling
   9  Business Intelligence
  10  Business Analytics
  11  Advanced Analytics & Data Science
  12  Infrastructures & Technologies
  13  Leadership & Management
14–15 CBIP
16–17 Enterprise Learning Solutions

Visit tdwi.org/onsite for more information
Worldwide Training

TDWI has brought our Onsite Education programs to countries around the globe.

PLACES WE’VE BEEN

ALGERIA    ARGENTINA    AUSTRALIA    AUSTRIA    BRAZIL    CANADA    CZECH REPUBLIC    COLOMBIA    COSTA RICA    DENMARK

DOMINICAN REPUBLIC    EGYPT    ESTONIA    FINLAND    FRANCE    GERMANY    INDIA    IRELAND    ISRAEL    JAMAICA

MALAYSIA    MEXICO    NEW ZEALAND    NORWAY    PANAMA    PARAGUAY    POLAND    SAUDI ARABIA    SINGAPORE    SLOVENIA

SOUTH AFRICA    SPAIN    SWEDEN    TRINIDAD & TOBAGO    TURKEY    UNITED ARAB EMIRATES    UNITED KINGDOM    UNITED STATES    VIETNAM
TDWI Onsite Instructors

TDWI instructors are carefully selected, rigorously qualified, and routinely measured and observed to ensure that they sustain the highest standards for professional education. We require our instructors to have extensive BI experience and demonstrated teaching skills.

In addition, all instructors are current practitioners who bring their real-world experience to every class. See for yourself the difference a TDWI “guru” can make for your team!

---

**INSTRUCTOR INDUSTRY EXPERIENCE**

- Retail/Wholesale/Distribution
- Healthcare
- Insurance
- Financial Services
- Government
- Education
- Telecommunications
- Manufacturing
- Utilities
- Advertising/Marketing/Public Relations
- Media/Entertainment/Publishing
- Software/Internet

---

Visit tdwi.org/onsite for more information
TDWI’s NEW workshops will bring your team’s analytics and data management practices up to speed in just three days of in-depth, interactive training. Each workshop includes customized activities working with your people, projects, processes, and data.

- **Essential Skills for BI and Analytics Professionals** (3-Day Workshop)
- **Must-Have Skills for Modern Data Modeling** (3-Day Workshop)
- **Dimensional Data Modeling Skills—A Deep Dive** (3-Day Workshop)
- **Data Governance Skills for the 21st Century** (3-Day Workshop)
- **Visualization and Storytelling—Advanced Skills for Communicating with Data** (3-Day Workshop)
- **Must-Have Skills for Big Data Practitioners** (3-Day Workshop)
- **Enabling Foresight: Skills for Predictive Analytics** (3-Day Workshop)
- **Building the In-Demand Skills for Analytics and Data Science** (3-Day Workshop)
- **AI & Machine Learning: Today’s Implementation Realities** (3-Day Workshop)

Contact onsite@tdwi.org for more information.
TDWI’s hands-on courses focus on practical demonstration and experiential learning. You will leave a hands-on course with something you created—a concrete piece of code or a project framework—a starting point for applying your new skills. Access to a laptop computer and internet connection are required in order to participate in these courses.

- Hands-On Data Mining with R
- Machine Learning with TensorFlow NEW
- Applied Machine Learning in Python NEW
- Data Manipulation and Cleaning in Python NEW
- Hands-on Hadoop
- Hands-on Big Data Databases (Graph) NEW
- Hands-on Cloud Databases (Snowflake, Redshift) NEW
- Hands-on Distributed Computing with Hadoop NEW
- Applied Machine Learning in R NEW
COURSES

TDWI Master Data Management Fundamentals

TDWI Data Integration Techniques: ETL and Alternatives for Data Consolidation

TDWI Data Integration Principles and Practices: Creating Information Unity from Data Disparity **UPDATED**

TDWI Data Virtualization: Solving Complex Data Integration Challenges

TDWI Data Warehouse Automation: Better, Faster, Cheaper...You Can Have It All

Introduction to Data Virtualization: Technology and Use Cases **NEW**

Modern Data Warehouse Architectures: From A to Z **NEW**

The Logical Data Warehouse: Design, Architecture, and Technology **NEW**

COURSE OUTLINES ARE AVAILABLE ON OUR WEBSITE:

[tdwi.org/onsite](http://tdwi.org/onsite)

Contact onsite@tdwi.org for more information
DATA MANAGEMENT

COURSES

TDWI Data Governance Fundamentals: Managing Data as an Asset

TDWI Data Governance Innovations: Adapting for Agile, Big Data, and Cloud

TDWI Data Quality Fundamentals

TDWI Data Quality Management: Techniques for Data Profiling, Assessment, and Improvement

TDWI Big Data Fundamentals: Creating Value from Nontraditional Data Sets

Evolving Information Architecture

Incorporating Big Data, Hadoop, and NoSQL in Business Intelligence Systems and Data Warehouses **NEW**

COURSE OUTLINES ARE AVAILABLE ON OUR WEBSITE:

tdw.org/onsite
DATA MODELING

COURSES

TDWI Data Modeling: Data Analysis and Design for BI and Data Warehousing Systems

TDWI Advanced Data Modeling Techniques

TDWI Dimensional Data Modeling Primer: From Requirements to Business Analysis

Advanced Dimensional Modeling: Techniques for Practitioners

Data Modeling in the Age of Big Data

Dimensional Modeling Beyond the Basics: Intermediate and Advanced Techniques

Dimensional Modeling from a Business Perspective: A Model the Business Can Understand

Dimensional Models: What’s New in the Big Data Era NEW

“Very good overall view of DW concepts and provided valuable insight for such a varied audience.”

J. Bundt
Nestle Purina
BUSINESS INTELLIGENCE

COURSES

TDWI Business Intelligence and Analytics Principles and Practices: Charting the Course to BI and Analytics Success **UPDATED**

TDWI Business Intelligence and Analytics Architecture **UPDATED**

TDWI Project Management for Business Intelligence

TDWI Requirements Gathering: Correct and Complete Requirements for BI and Analytics Systems

TDWI Information Dashboard Design: Dashboard Development and Performance Management **UPDATED**

TDWI BI Program Management: A Competency Center Approach to BI Excellence

Agile BI: Just Enough Design, Data Modeling with Agility

Agile BI: Road Mapping, Chartering, and Release Planning

Agile BI: Test Automation and Test-Driven Database Development

Agile BI: Value-Driven Data Warehousing and BI

BI and Analytics Organizations that Work: Resolving the Conflicts of Centralization and Self-Service

Business Information and Modern BI: Balancing OLAP, Analytics, and Performance Management

Visit tdwi.org/onsite for more information
BUSINESS ANALYTICS

COURSES

TDWI Analytics Fundamentals

TDWI Data Visualization Fundamentals **UPDATED**

Developing Data Analytics Literacy Workshop

Dashboard Design and Adoption: How to Make Business Impact **NEW**

Data Storytelling for Business Impact **NEW**

“We will be able to apply the content right away and bring our BI department to the next level.”

Corinne S.
Training Manager

COURSE OUTLINES ARE AVAILABLE ON OUR WEBSITE:
tdw.org/onsite
COURSES

TDWI Predictive Analytics Fundamentals **UPDATED**

Data Preparation for Predictive Analytics

Harness the Power of “What-If” Analytics: Shaping Your Future with Simulation

Serious Play for Predictive Analytics: What Works, What Doesn’t, and Why

Predictive Analytics: Low-Risk/High-Impact Implementation

Data Analytics Boot Camp

Putting Predictive Analytics to Work: A Practitioner’s View of Common Technical Issues and Solutions

Machine & Deep Learning: Delivering Insights from Big Data

Advanced Analytics: Leveraging Data Science and Machine Learning Techniques to Gain Data Insights

Introduction to Data Science Methodology **NEW**

Introduction to Data Wrangling **NEW**

Introduction to Machine Learning **NEW**

Introduction to Machine Learning in R **NEW**
## COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Data Information Architecture: Building an Architecture for Insight with Hadoop</td>
<td>UPDATED</td>
</tr>
<tr>
<td>Advanced Hadoop - Delivering Business Value</td>
<td>UPDATED</td>
</tr>
<tr>
<td>Distributed Data Processing with NoSQL</td>
<td>UPDATED</td>
</tr>
<tr>
<td>Big Data Roadmap</td>
<td></td>
</tr>
<tr>
<td>New Big Database Technologies: From NoSQL to NewSQL and from Hadoop to Spark</td>
<td>NEW</td>
</tr>
<tr>
<td>Data Warehousing in the Age of Analytics &amp; Big Data: Hadoop and the Data Warehouse</td>
<td>NEW</td>
</tr>
<tr>
<td>Introduction to Data Engineering</td>
<td>NEW</td>
</tr>
<tr>
<td>Deep Learning with Big Data</td>
<td>NEW</td>
</tr>
<tr>
<td>Distributed Computation, Hadoop and NoSQL</td>
<td>NEW</td>
</tr>
<tr>
<td>Distributed Computing with Spark</td>
<td>NEW</td>
</tr>
<tr>
<td>Introduction to Cloud Databases (Snowflake, Redshift)</td>
<td>NEW</td>
</tr>
<tr>
<td>Introduction to Big Data Databases (Graph)</td>
<td>NEW</td>
</tr>
<tr>
<td>Introduction to Blockchain</td>
<td>NEW</td>
</tr>
</tbody>
</table>
LEADERSHIP & MANAGEMENT

COURSES

TDWI BI and Analytics Executive Briefing

TDWI BI Program Management: A Competency Center Approach to BI Excellence

TDWI Project Management for Business Intelligence

BI and Analytics Organizations that Work: Resolving the Conflicts of Centralization and Self-Service

“TDWI BI and Analytics Executive Briefing is a very comprehensive course for any professional related to business intelligence. It allowed us to contextualize our knowledge about information management.”

Roberto P.
Special Projects Director

COURSE OUTLINES ARE AVAILABLE ON OUR WEBSITE:

tdwi.org/onsite
Certify Your Team for Excellence: CBIP Onsite

TDWI Onsite Education brings instructors, exam prep courses, and the CBIP examinations right to your location with a package tailored to your team’s needs. Onsite training accelerates the certification process and improves overall exam performance—without the expense of sending staff out of the office.

CERTIFICATION REQUIRES PASSING THREE EXAMS

Take two mandatory exams and choose one specialty area exam.

<table>
<thead>
<tr>
<th>MANDATORY EXAMS</th>
<th>SPECIALTY AREA EXAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Foundations Exam</td>
<td>Management Exam</td>
</tr>
<tr>
<td>Choose One:</td>
<td>(Leadership and Management specialty)</td>
</tr>
<tr>
<td>Information Systems Core Exam</td>
<td>Business Intelligence and Analytics Exam</td>
</tr>
<tr>
<td>Business Core Exam</td>
<td>Data Management Exam</td>
</tr>
<tr>
<td></td>
<td>(Data Analysis and Design specialty)</td>
</tr>
<tr>
<td></td>
<td>Data Integration and Interoperability Exam</td>
</tr>
</tbody>
</table>

IDENTIFY YOUR SPECIALTY AREA

CBIP offers four recognized industry specialty areas to validate your skills and experience.

- **LEADERSHIP AND MANAGEMENT** requires depth of process knowledge including development methodology, program management, and project management, as well as organizational and team-building skills. An understanding of business topics and a high-level technical understanding of BI applications and data warehousing concepts are also required.

- **BUSINESS ANALYTICS** focuses on the effective use of data and information to drive positive business actions. This area includes both business and technical topics: performance management, definition and delivery of business metrics, data visualization, and deployment and use of technology solutions.

- **DATA ANALYSIS AND DESIGN** provides the foundation for delivery of BI applications. Core skills include information needs analysis, specification of business metrics, and data modeling. A solid understanding of data warehousing concepts, architectures, and processes is also essential.

- **DATA INTEGRATION** includes all of the activities necessary to acquire data from sources, transform, and cleanse it. This includes concepts and skills for source data analysis and source qualification, data profiling, source/target mapping, data cleansing and transformation, and ETL development.
CBIP EXAM PREPARATION COURSES
These one-day preparation courses can be brought to your location. Time is built into each course for team members to take the exam.

CBIP Preparation for the Information Systems Core Exam
CBIP Preparation for the Data Foundations Exam
CBIP Preparation for the Management Exam*
CBIP Preparation for the Business Core Exam
CBIP Preparation for the Business Analytics Exam*
CBIP Preparation for the Data Management Exam*
CBIP Preparation for the Data Integration Exam *

*Exclusive to the TDWI Onsite program.

CBIP TRAINING PACKAGES
TDWI offers Onsite training packages for teams, which combine recommended TDWI courses with CBIP exam preparation courses. Training packages may be customized to fit specific needs of your group.

Leadership and Management Specialty Preparation
TWO-DAY PACKAGE INCLUDES:
• TDWI BI Program Management
• CBIP Preparation for the Management Exam

Business Analytics Specialty Preparation
THREE-DAY PACKAGE INCLUDES:
• TDWI Analytics Fundamentals
• TDWI Information Dashboard Design
• CBIP Preparation for the Business Analytics Exam

Data Analysis and Design Specialty Preparation
THREE-DAY PACKAGE INCLUDES:
• TDWI Data Modeling
• TDWI Dimensional Data Modeling Primer
• CBIP Preparation for the Data Management Exam

Data Integration Specialty Preparation
TWO-DAY PACKAGE INCLUDES:
• TDWI Data Integration Principles and Practices
• CBIP Preparation for the Data Integration Exam

Information Systems Core Exam and Data Foundations Exam Preparation
TWO-DAY PACKAGE INCLUDES:
• TDWI Business Intelligence and Analytics Principles and Practices
• CBIP Preparation for the Information Systems Core Exam
• CBIP Preparation for the Data Foundations Exam

FOR MORE INFORMATION, VISIT: tdwi.org/onsite
ENTERPRISE LEARNING SOLUTIONS

ONSITE EDUCATION
TDWI Onsite Education brings world-class instruction to your doorstep. Our instructors are leading BI practitioners who provide you with real-world experience to accelerate your team's skills and project goals.

ONLINE LEARNING
Build your business intelligence and analytics team skills with in-depth and interactive online courses taught by industry experts and in-the-trenches practitioners.

TEAM MEMBERSHIP
Gain exclusive access to the latest industry research and resources for analytics and data management, a community of professionals looking to connect and collaborate, and exclusive discounts to valuable skills-development opportunities.

EVENTS
TDWI events feature end-to-end learning experiences on the core pillars of analytics and data management. They are designed to bring you from foundational concepts and best practices to hands-on skills.
Introducing Enterprise Learning Solutions

TDWI’s Enterprise Learning Solutions is a comprehensive training and development program that enables organizations to get the most out of their data initiatives. TDWI’s enterprise learning portfolio allows you to customize a program to meet your organization’s specific needs: Onsite instruction, public educational events, online learning, and team membership.

Key Benefits:

- Give your team a common understanding of the people, processes, technology, and cultures needed to build a successful, data-driven business.
- Get just-in-time training to ensure your next BI or analytics project is a success.
- Help your organization stay up to speed with the rapid changes occurring in the world of BI and analytics.
- Validate your team’s BI and analytics knowledge and expertise.

TO SCHEDULE YOUR CONSULTATION, CONTACT:

Yvonne Baho
Director of Enterprise Learning
TDWI
978.582.7105
yaho@tdwi.org
For more than 20 years, TDWI has been raising the intelligence of data leaders and their teams with in-depth, applicable education and research, and an engaged worldwide membership community. Accelerate the success of your data management and analytics projects—and your career—with TDWI.

Experience the TDWI Difference:

- 20 Years of Excellence in All Things Data
- Community of Learning
- In-Depth, Vendor-Agnostic Education
- Quality, Vetted Instructors
- Immediate Impact

For more about TDWI Onsite Education, visit: tdwi.org/onsite