Middle East & Africa University Program

PROGRAM OVERVIEW
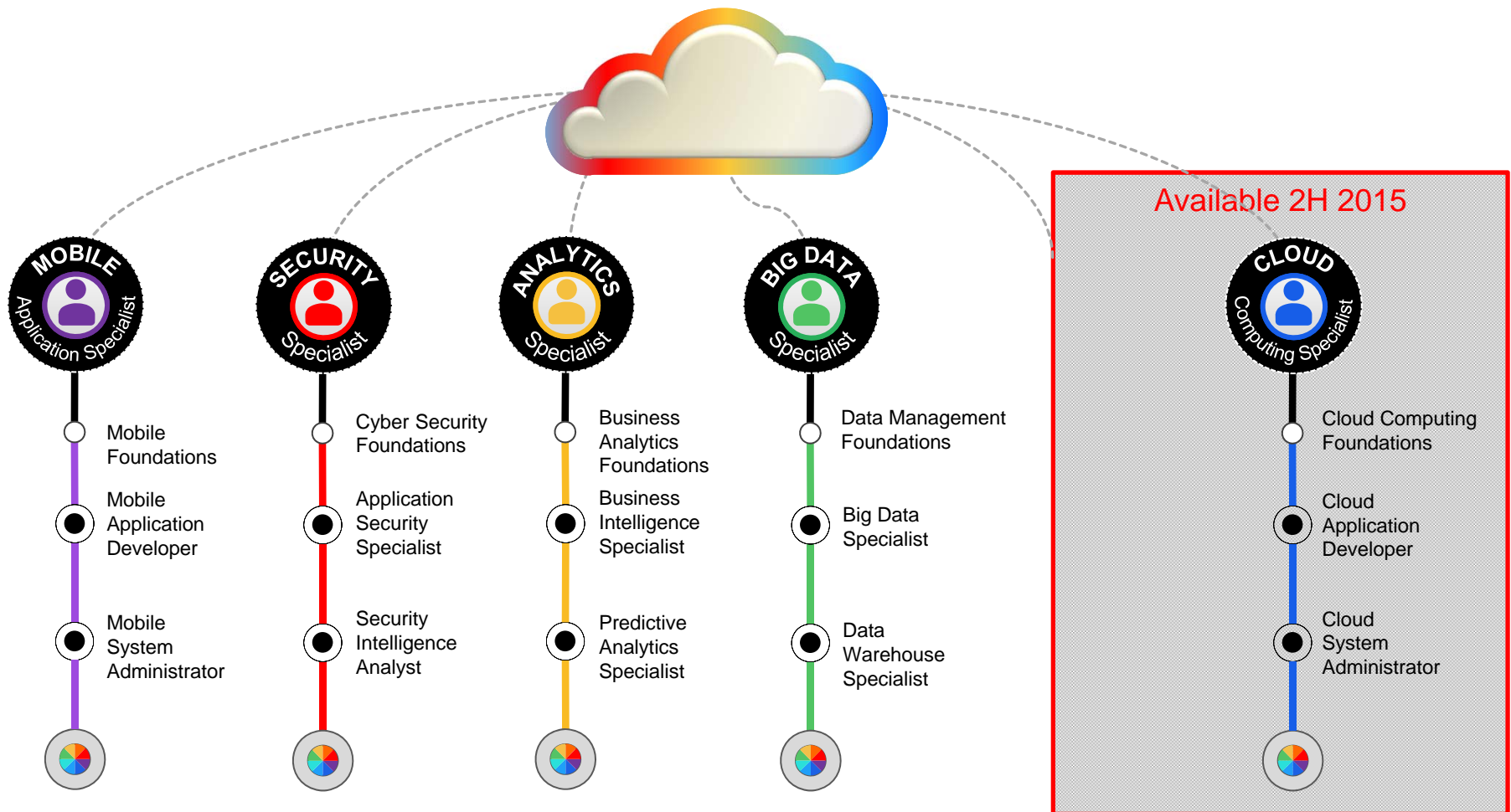April 2015

Oriette Mohamed Nayel
MSc, PMP,
Manager, Cairo Lab services
IBM Egypt

23/11/2013

IBM Academic Roadmaps – Fast track into your dream job

MOBILE Application Specialist

- Mobile Foundations
- Mobile Application Developer
- Mobile System Administrator

SECURITY Specialist

- Cyber Security Foundations
- Application Security Specialist
- Security Intelligence Analyst

ANALYTICS Specialist

- Business Analytics Foundations
- Business Intelligence Specialist
- Predictive Analytics Specialist

BIG DATA Specialist

- Data Management Foundations
- Big Data Specialist
- Data Warehouse Specialist

Available 2H 2015

CLOUD Computing Specialist

- Cloud Computing Foundations
- Cloud Application Developer
- Cloud System Administrator

CROSS SKILLS

The cross-skills section provides an overview of the relationship between technology trends

IBM Academic Tracks Components

Structure of the MEA University Program Academic Tracks

IT Job Role
Market demand based

Job Description: Potential positions, activities, responsibilities and career paths
Average Salary: Trends based on global and regional salary indexes

SEMESTER 1

Foundations
(~3hs) instructor-led
(~10-20hs) self-paced

- (3hrs) Foundations course (instructor-led)
- (10-20hs) Pre-requisite online courses (self-paced)

1st Concentration
(~40hs) instructor-led

- (40hs) Official IBM Courses (instructor-led)
- (40%) theory and (60%) hands-on labs (cloud-based)
- Academic Certificate: Practice & Final Test

SEMESTER 2

2nd Concentration
(~40hs) instructor-led

- Equivalent to 1st Concentration (40hs instructor-led)
- Based on a different technology domain.
- Additional Academic Certificate: Practice & Final Test

Cross Skills

- Theory & hands-on exercises on cross-technology areas relevant to the learned technology

Program results in 2014

- **360 Teachers trained**

- **20 Training sessions ~ 20 faculty members each) instructors from Europe, USA and Egypt.**

- **8 Countries, - 12 cities - 13 universities - 16 campuses.**

population

Targets by 2017 - 62 Universities & 34,000 students

MEA UNIVERSITY PORTAL
www.ibm.biz/meauniversity

E-Learning

Tracking and assessment

1. Progress bar on each section to track the student's progress

Prerequisite skills progress track	▮▯▯▯▯▯▯▯▯
Foundation progress track	▯▯▯▯▯▯▯▯▯
Mobile Application Developer progress track	▮▯▯▯▯▯▯▯▯

2. Checkpoint tests in the Foundation and concentration course to assess the knowledge of the students before advancing.

Practice Test

IBM Mobile Application Specialist - Mobile Application Developer practice exam

| Introduction | **Test Overview** | Questions | Help |

★ Not answered yet

Time Remaining:

44:37

Status

Answered Questions:

★ 1.   Which two steps should a developer take to create an application that combines web and native code? (Choose two.)

0 of 31

★ 2.   You are using Worklight Studio on your PC.

★ 3.   You are developing a new Android application and want to use the Mobile Browser Simulator to test aspects of your new

Submit Test

★ 4.   Which action should you perform in the index.html file to accommodate different device screen sizes?

★ 5.   At a minimum, what do you need to install to develop an Android application?

★ 6.   You are testing an Android application.

★ 7.   You plan to use the WL.SimpleDialog in your application.

★ 8.   Your application needs to retain a local copy of its data, even when offline.

★ 9.   Which computing platform is used for the server side component of Application Center?

★ 10.   You are using Apache Cordova. What is an example of a device lifecycle event that a Cordova function can listen for?

★ 11.   You are writing a new version of an existing mobile application for Android devices.

★ 12.   Which two components must you create when creating an Apache Cordova plug-in for iOS? (Choose two.)

★ 13.   Dojo that is contained in the Worklight project is optimized for which type of application?

★ 14.   What results from successful use of the Worklight Service Discovery Wizard?

★ 15.   Which statement is true about using a Worklight HTTP adapter to access SOAP services?

★ 16.   You are configuring a Worklight SQL adapter. Which two parameters must be declared in the adapter XML file? (Choose

★ 17.   What must you do to add custom Java code to a Worklight adapter?

8

IBM Mobile Specialist Academic Track

Mobile Application Specialist
Complete Academic Certification Track Overview

Mobile Foundations — Mobile Application Developer — Mobile Application Administrator — Cross Skills

- Commerce
- Data Management
- Security
- Business Analytics
- Cloud
- Systems
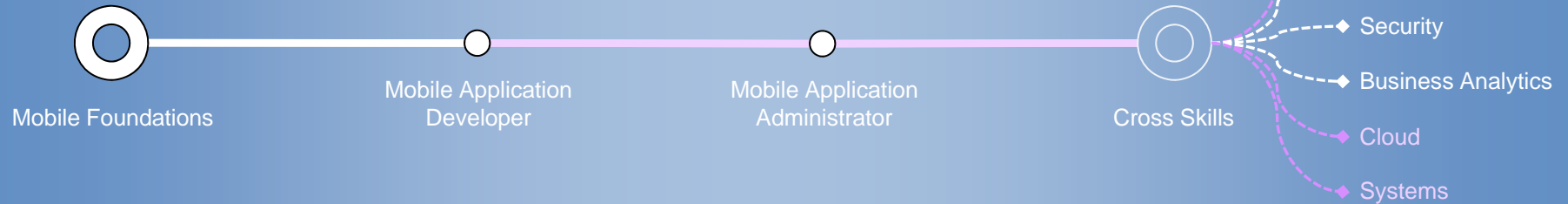
Mobile Foundations
Content: Mobile Technology Overview, Mobile Technology Domains, Understanding Mobile Applications, build and manage Mobile Applications.

Mobile Application Developer - Tool: IBM Worklight Foundation V6.2 Studio
Courses: Mobile Application Development and Deployment

Mobile Application Administrator - Tool: IBM Worklight Foundation V6.2 Server
Courses: Managing Mobile Applications

Mobile Cross Skills
Developing Web Applications, Testing Apps, Mobile Security Essentials

IBM Mobile Specialist Academic Track

Mobile Foundations

You are here

Mobile Foundations — Mobile Application Developer — Mobile Application Administrator — Cross Skills

- Commerce
- Data Management
- Security
- Business Analytics
- Cloud
- Systems
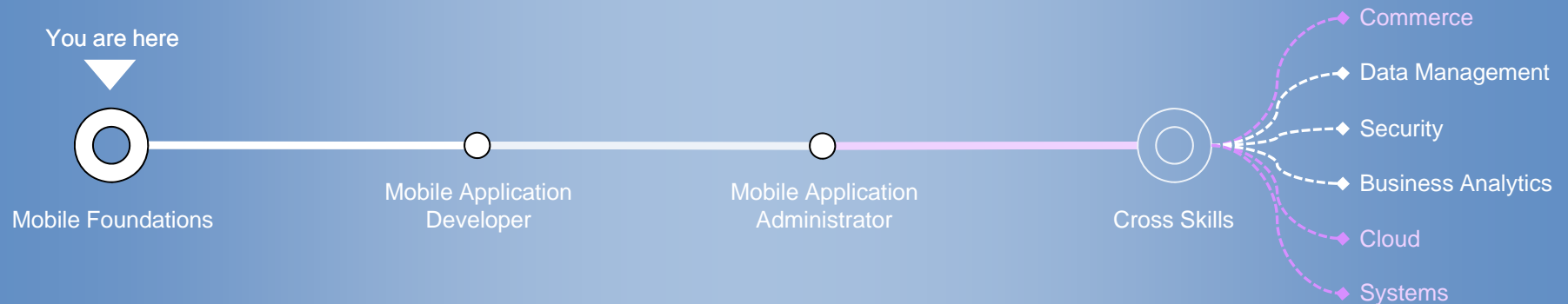
Mobile Introduction (2 hs instructor-led)

Mobile Foundations Course
- Mobile Industry Overview
- Past, Present and Future
- Trends
- Mobile Enterprise
- Industry Domains:
  - Healthcare
  - Telco
  - Banking
  - Government
- Case Studies in Africa
- IBM Research in Mobile
- Cross-skills
- Links and additional resources

Pre-requisite courses (10 hs self-paced)

VW324 - Roadmap to Mobile Web Development
- Mobile Web applications: an introduction
- HTML5 and JavaScript
- Dojo and jQuery JavaScript Framework

ZU370 - Introduction to HTML5 and JavaScript Programming
- HTML5 development support for cross-platform applications
- Code JavaScript functions
- Use the form elements of HTML5

ZD325 - Developing Mobile Application with Dojo Mobile
- Developing Mobile Web applications with Dojo
- Ajax calls to services with Dojo

ZU372 - Developing Mobile Application with jQuery
- Getting started with jQuery scripting
- Developing a jQuery Mobile page

IBM Mobile Specialist Academic Track

Mobile Application Developer

You are here

Mobile Foundations

Mobile Application Developer

Mobile Application Administrator

Cross Skills

- Commerce
- Data Management
- Security
- Business Analytics
- Cloud
- Systems
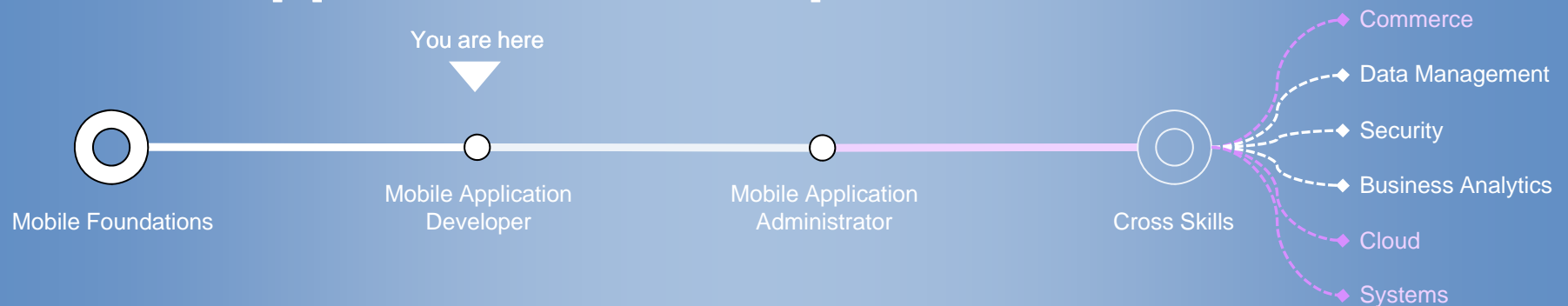
IBM Official Courses (36 hs instructor-led)

WD602 - Mobile Application Development - IBM Worklight V6.2

- Identify a mobile application design types
- Develop a mobile application to run on an Android or iOS platform using the IBM Worklight hybrid coding approach
- Use IBM Worklight client-side APIs for cross-platform portability
- Mobile Frameworks: Dojo Mobile
- Mobile Frameworks: jQuery Mobile
- Mobile Frameworks: Sencha Touch UI
- Apache Cordova framework to access native functions.
- Use IBM Worklight server-side APIs for back-end integration
- Secure a mobile application using authentication techniques
- Manage application updates and versions

IBM Textbooks

Getting Started with IBM Worklight
http://w3.itso.ibm.com/abstracts/tips1009.html

IBM Exams

IBM Academic Certificate
IBM Academic Certificate – Mobile Application Developer
www.ibm.biz/meauniversity

IBM Professional Certification
IBM Certified Mobile Application Developer – Worklight V6.2
Test C2180-408: IBM Worklight V6.2, Mobile Application Development
http://www-03.ibm.com/certify/tests/ovrC2180-408.shtml

IBM Mobile Specialist Academic Track

Mobile System Administrator

You are here

Mobile Foundations — Mobile Application Developer — Mobile Application Administrator — Cross Skills

- Commerce
- Data Management
- Security
- Business Analytics
- Cloud
- Systems
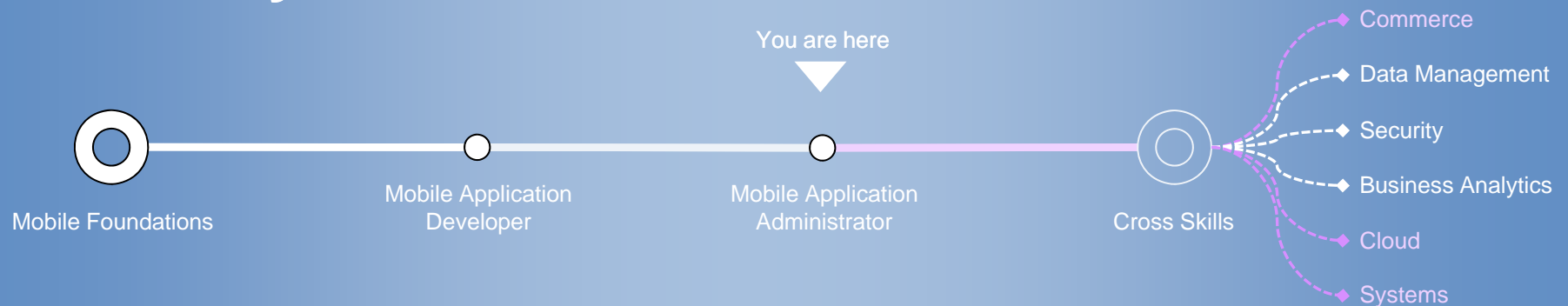
IBM Official Courses (36 hs instructor-led)

WA855 - WebSphere Application Server V8.5.5 Administration
- WebSphere Application Server basic administration concepts
- Architectural concepts related to WebSphere Application Server
- Install and configure IBM HTTP Server (IHS)
- Assemble, deploy and install server-side Java applications
- Configure WebSphere Application Server security

WA505 - Managing Mobile Applications with IBM Worklight V6
- Describe the various mobile application design approaches
- Describe the Worklight runtime architecture
- Secure the Worklight server environment
- Use the Worklight console to monitor push notifications
- Manage application updates and versions
- Migrate applications from a development to production
- Monitor device usage statics and generate analytic reports

IBM Textbooks

Enabling Mobile Apps with IBM Worklight Application Center
http://www.redbooks.ibm.com/abstracts/redp5005.html?Open

IBM Exams

IBM Academic Certificate

IBM Academic Certificate – Mobile System Administrator
www.ibm.biz/meauniversity

IBM Professional Certification

IBM Certified Mobile System Administrator – Worklight V6.2
Test C2180-409 - IBM Worklight V6.2, Mobile System Administration
http://www-03.ibm.com/certify/tests/ovrC2180-409.shtml

IBM Mobile Specialist Academic Track

Prerequisite Skills

1.1 Mobile Application Developer:

Basic knowledge of:
- English Proficiency
- Operating System experience
- Java programming
- Web Services and REST
- Database connectivity

Working knowledge of:
- Eclipse based development tools
- Command Line Interface (CLI)
- HTML and CSS
- JavaScript programming and JavaScript Framework (such as jQuery, Dojo and Sencha)
- Designing applications for mobile devices
- Developing hybrid and native applications for both Android and iOS

1.2 Mobile Administration Specialist

Basic knowledge of:
- Experience with application server administration.
- Experience using Apache Ant.
- Good understanding of LDAP.
- Familiarity with Worklight Studio.
- Familiarity with web application development and deployment

IBM Mobile Specialist Academic Track

Mobile Cross Skills

You are here

Commerce

Data Management

Security

Business Analytics

Cloud

Systems

Mobile Foundations

Mobile Application Developer

Mobile Application Administrator

Cross Skills
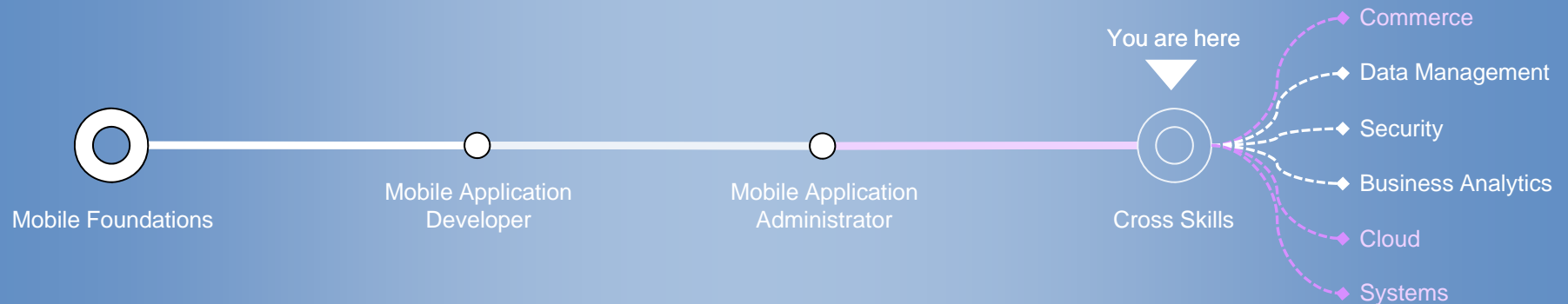
Security - Secure your mobile applications

With the explosive growth in the mobile ecosystem, mobile application security is a huge concern. New mobile application designs require new ways of testing to ensure data safety. In this article, explore different aspects of mobile application security. With hands-on examples, learn to use IBM® Security AppScan® Standard with mobile user agents and with emulators and actual devices for Android and iOS.

Business Analytics - Install & configure the Symbian Simulator for Cognos Go Mobile

This document provides step by step instructions on how to install and configure the Symbian simulator for use with IBM Cognos GO! Mobile. Learn how to Find the Java Development Kit jdk-1_5_0_x, installing the Java Wireless Toolkit, obtain a local copy of the cognos_mobile.jad file and laundhing the Go! Mobile in the Symbian Simulator.

Cloud Mobile Applications with IBM Quality Assurance

Mobile app quality is different. Developers like yourself, are responsible for much of the actual testing, but you need end user feedback and quality metrics to improve user experience and app quality. IBM Mobile Quality Assurance (IBM MQA) provides you the ability to instrument your apps to capture tester and live-user experiences, including context-aware crash log and in-app bug reports, in-app user feedback and insightful and streamlined quality metrics.

IBM Big Data Specialist Academic Track
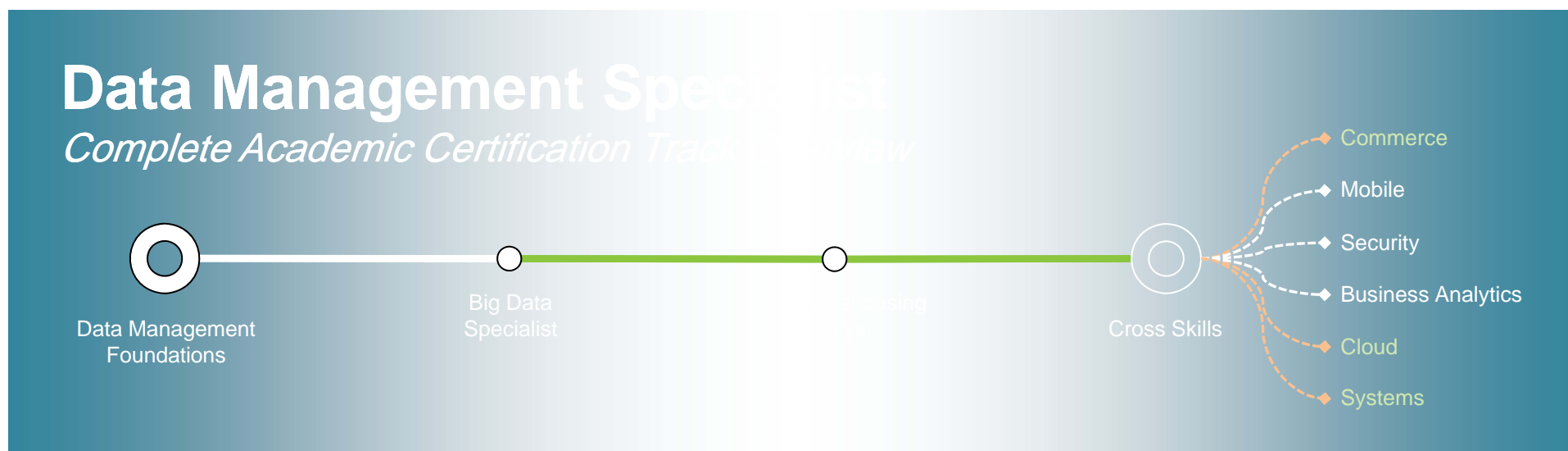
Data Foundations

Data Management Overview, Information Governance, Data Management Domains, Industry Applications and Case Studies. Pre-requisite skills: DB2 Academic Associate Classroom Course and Big Data Fundamentals

Big Data Specialist - Hands-On: IBM BigInsights, InfoSphere Streams, Data Explorer Bootcamp - IBM Big Data Fundamentals Bootcamp

Data Warehouse Analyst - Hands-On: IBM DB2 BLU, Netezza and DashDB Implementation and Use of DB2 BLU Acceleration, IBM PureData System for Analytics Programming & Usage

Data Management Cross Skills

Big data and analytics, Securing data platforms, Mobile adaptors for multiple data sources, data

IBM Big Data Specialist Academic Track

Data Management Foundations

You are here

Commerce
Mobile
Security
Business Analytics
Cloud
Systems

Data Management Foundations

Big Data Specialist

Cross Skills
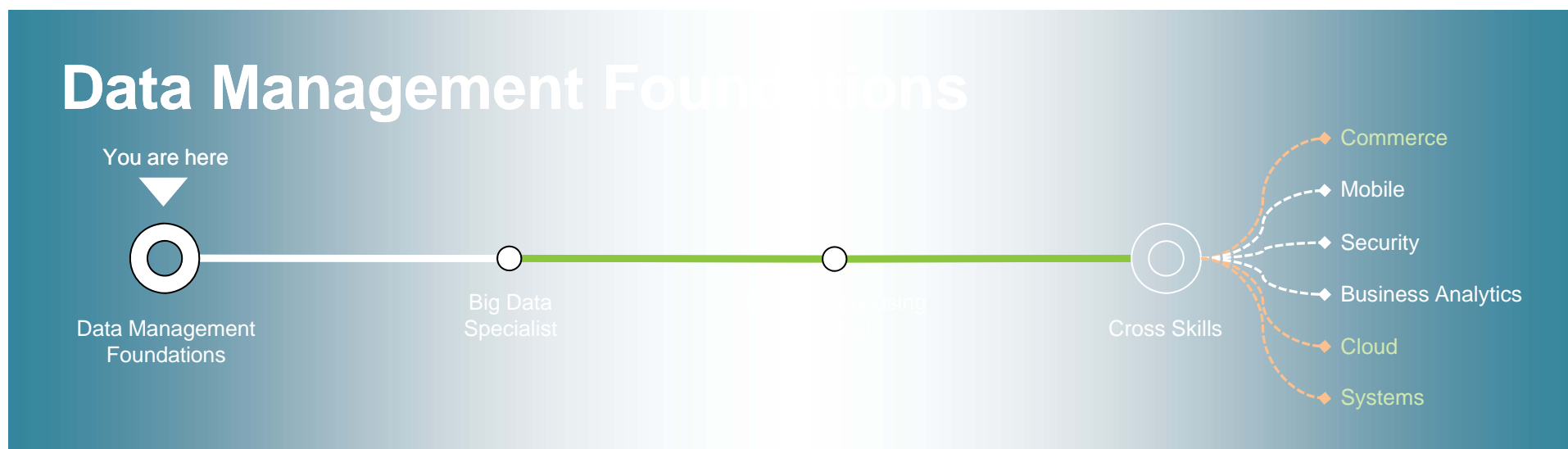
Data Management Introduction (3 hs instructor-led)

Data Management Foundations Course
- IBM Data Management Overview
- Past, Present and Future
- Trends
- Data in the enterprise
- Industry Domains:
  - Healthcare
  - Telco
  - Banking
  - Government
- Case Studies in Africa
- IBM Research in Big Data
- Cross Skills
- Links and additional resources

Pre-requisite courses (10 hs self-paced)

DEV452 - DB2 Academic Associate e-learning Course
- Relational database concepts, DB2 and Data Studio overview
- SQL and database objects, data concurrency and locking
- Database Security and troubleshooting
- DB2 pureXML and Application Development
- The Next IM Frontier – Big Data

DB2 Database and Application Fundamentals Academic Exam
Test 000-302 DB2 9 Database and Application Development
https://www.ibm.com/developerworks/data/events/db2academiccertification/certification.html

Hadoop Fundamentals I (Version 2) – (5 hours)
- Introduction to Hadoop and Hadoop architecture
- Introduction to MapReduce
- Querying data | Hadoop administration

IBM Big Data Specialist Academic Track

Big Data Specialist

You are here

Data Management Foundations

Big Data Specialist

Cross Skills

- Commerce
- Mobile
- Security
- Business Analytics
- Cloud
- Systems
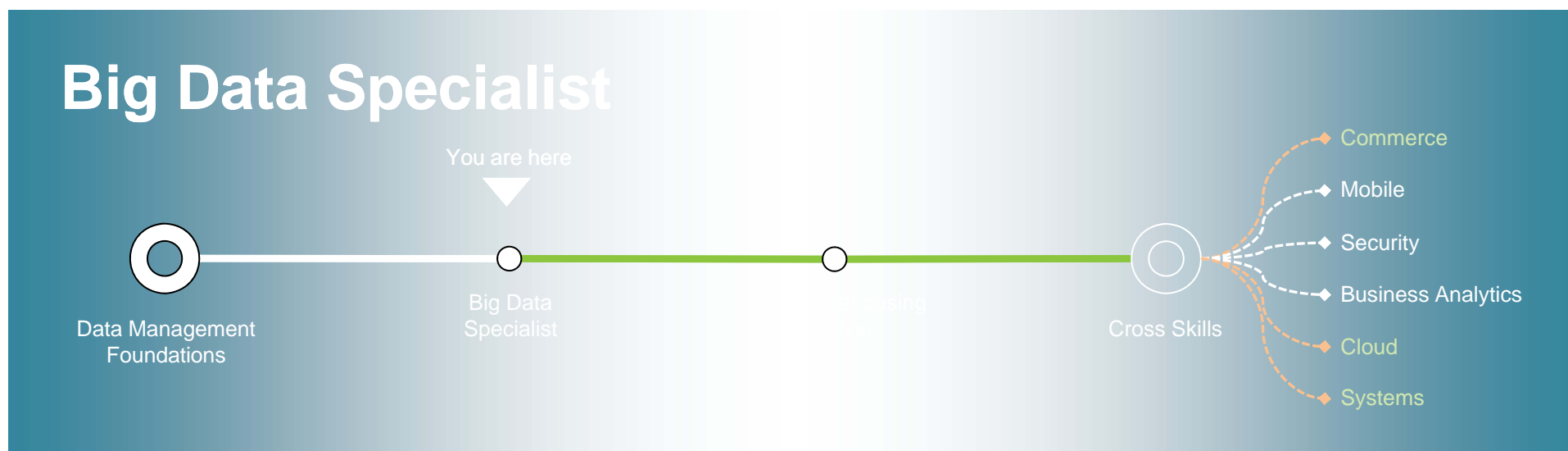
IBM Official Bootcamps (40 hs instructor-led)

Bootcamp - IBM Big Data Fundamentals Bootcamp
- Introduction to Big Data
- Hadoop & BigInsights Overview
- HDFS & MapReduce
- Hadoop Query Languages
- Hbase, BigSQL and JAQL
- Application Development
- BigSheets, Text Analytics and AQL
- Streams Overview
- Data Explorer Overview

IBM Textbooks

Harness the Power of Big Data
ftp://public.dhe.ibm.com/software/pdf/at/SWP10/Harness_the_Power_of_Big_Data.pdf

IBM Exams

IBM Big Data Specialist – Academic Exam
P2090-032: IBM Big Data Fundamentals Technical Mastery Test

IBM Big Data Fundamentals Technical Professional v1
P2090-032: IBM Big Data Fundamentals Technical Mastery Test
http://www-03.ibm.com/certify/mastery_tests/ovrP2090-032.shtml

IBM Big Data Specialist Academic Track

Data Warehousing Analytics

- Commerce
- Mobile
- Security
- Business Analytics
- Cloud
- Systems

Data Management Foundations — Big Data Specialist — Cross Skills

IBM Official Courses (40 hs instructor-led)

CL450 - Implementation and Use of DB2 BLU Acceleration
- Implement DB2 BLU Acceleration for a new/existing DB2 database.
- Configure a DB2 database that uses DB2 BLU Acceleration,
- Describe the default workload management used for DB2 BLU
- Data warehouse reference architecture
- CDW Modeling and Design

CL485 - DB2 10 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs
- Administer a DB2 database system using commands and GUI
- Use the DB2 provided monitor and Functions in SQL

DW585 - IBM PureData System for Analytics Programming & Use
- Develop SQL applications
- Create databases, tables and schemas
- Set up Clustered Base Tables
- Generate statistics

IBM Textbooks

Getting Started with Data Warehousing
http://tinyurl.com/mx7h5ep

IBM Exams

IBM Data Warehouse Specialist – Academic Exam
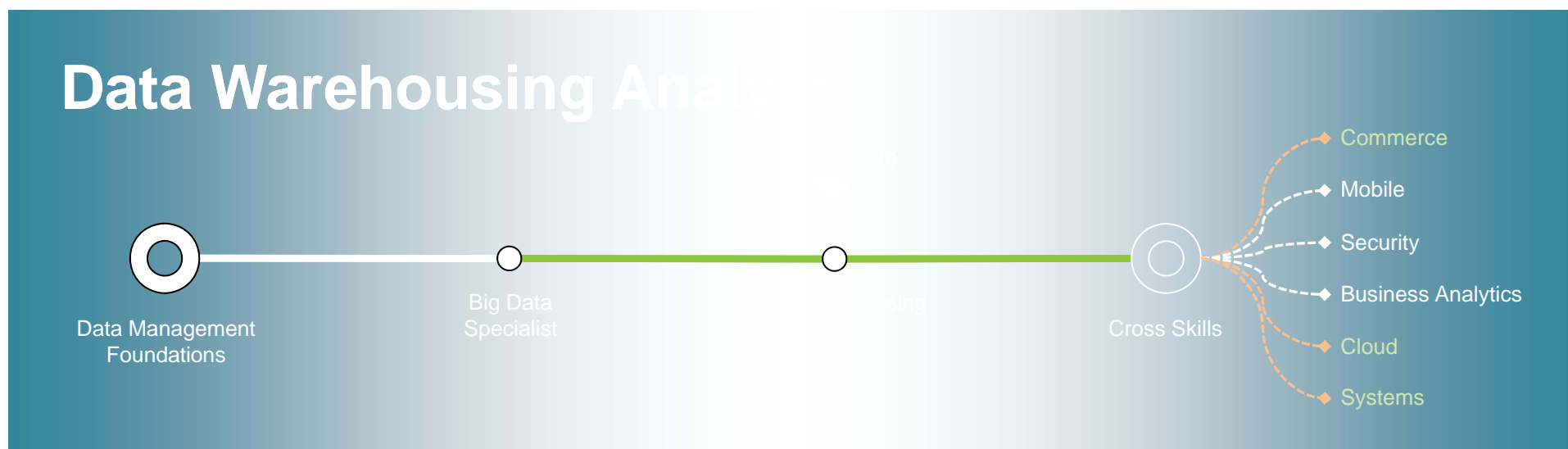
P2090-032: IBM Big Data Fundamentals Technical Mastery Test

IBM Big Data Fundamentals Technical Professional v1
Test P2090-080: IBM ISW-9.7 Smart Analytics Technical Mastery Test
http://www-304.ibm.com/jct03001c/certify/mastery_tests/ovrM80.shtml

IBM Data Management Specialist – *Academic Roadmap*

Data Cross Skills

You are here

Commerce

Mobile

Security

Business Analytics

Cloud

Systems

Data Management Foundations

Big Data Specialist

Cross Skills
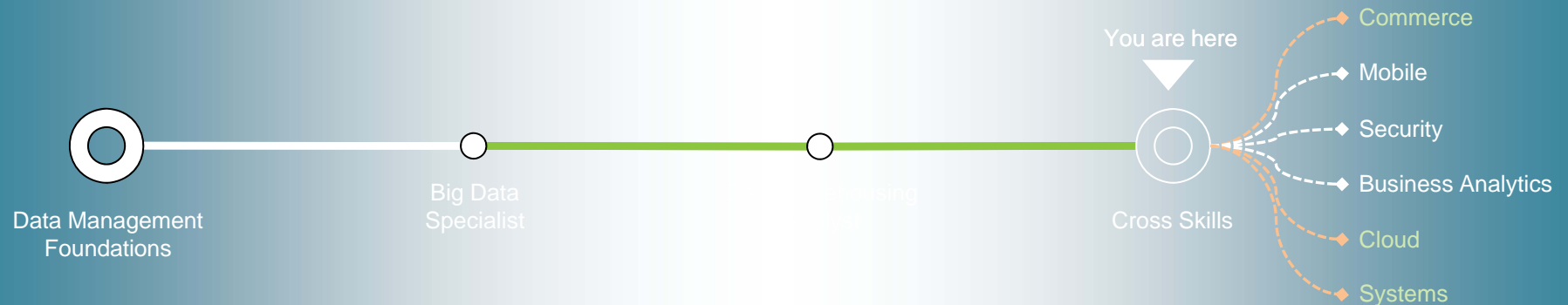
Security - Fight against SQL injection attacks

In the world of security exploits, one vulnerability, although easily resolved, is number one on the OWASP top 10: the Structured Query Language (SQL) injection attack. Although this class has existed since 1995, it remains one of the most prevalent attacks on web assets. Get to know the SQL injection attack and discover how it's carried out on a production website Then learn how to test a website for this class of vulnerability by using IBM® Security AppScan® Standard

Business Analytics - Introduction to Data Analysis using R

Learn how to tackle data analysis problems using the powerful open source language R. The course will take you from learning the basics of R to using it to explore many different types of data. You will learn how to prepare data for analysis, compute various statistical measures, create meaningful data visualizations, create reusable R functions, create R models to predict expected future outcomes, and more!

Mobile - Developing Mobile Application with jQuery (Course Code: ZU372)

Learn how to tackle data analysis problems using the powerful open source language R. The course will take you from learning the basics of R to using it to explore many different types of data. You will learn how to prepare data for analysis, compute various statistical measures, create meaningful data visualizations, create reusable R functions, create R models to predict expected future outcomes…

IBM Big Data Specialist Academic Track

Big Data Specialist

Basic knowledge of:
- English language proficiency
- Ability to work in a Linux environment to perform hands-on lab exercises
- Knowledge of SQL
- A programming background
- General understanding of data management and analytics software
- Basic knowledge of Hadoop
- DB2 OLAP Server Administration and Performance Tuning
- Knowledge of an Eclipse-based tool
- xposure to the C++, Java, and Perl languages.
- A working knowledge of both XSLT and XPath.

Data Warehousing Specialist

Basic knowledge of:
- English language proficiency
- DB2 Knowledge and relational database system
- Use basic OS functions such as utilities, file permissions, hierarchical file system, commands, and editor
- State the functions of the Structured Query Language (SQL) and be able to construct DDL, DML, and authorization statements
- General understanding of data management and analytics software
- Ability to work in a Linux environment to perform hands-on lab exercises
- Knowledge of scripting and ability to use development tools

IBM Cyber Security Specialist Academic Track
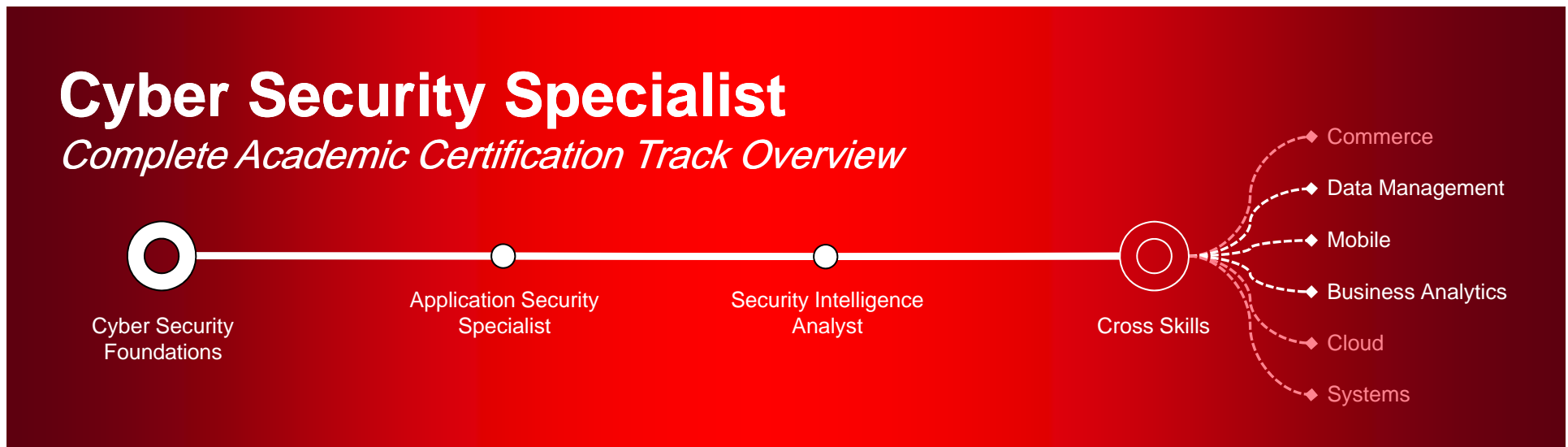
Cyber Security Foundations
Understanding treats and security risks in the society and in the enterprise. Security Domains (People, Data, Application and Infrastructure).

Application Security Specialist - Tool: IBM Security AppScan Standard
Courses: Essentials of Application Security. Application Security Fundamentals with IBM AppScan Standard.

Security Intelligence Analyst - Tool: IBM Security QRadar SIEM
Courses: Foundations of Security Intelligence and Advanced Concepts for SIEM

Security Cross Skills
Mobile Apps security, Security Data Access, concepts of Security in the Cloud space.

IBM Cyber Security Specialist Academic Track

Cyber Security Foundations

You are here

▼

○ Cyber Security Foundations

● Application Security Specialist

● Security Intelligence Analyst

◎ Cross Skills

◆ Commerce
◆ Data Management
◆ Mobile
◆ Business Analytics
◆ Cloud
◆ Systems

Foundations (4 hs instructor-led)

Cyber Security Foundations Course
- IBM Security Overview
- Past, Present and Future
- Trends
- Enterprise Security
- Industry Domains:
    - Healthcare
    - Telco
    - Banking
    - Government
- Case Studies in Africa
- IBM Research in Security
- Cross-skills
- Links and additional resources

Pre-requisite courses (10 hs self-paced)

ZU370 - Introduction to HTML5 and JavaScript Programming
- HTML5 development support for cross-platform applications
- Code JavaScript functions, and use the form elements of HTML5

DEV452 – Database Academic Associate e-learning Course
- Relational database concepts, DB2 and Data Studio overview
- SQL and database objects, data concurrency and locking
- Database Security and troubleshooting
- DB2 pureXML and Application Development
- The Next IM Frontier – Big Data

XF2015 X-Force 2015 Trend and Risk Security Report
http://www-03.ibm.com/security/xforce/downloads.html
This report is an analysis of the security landscape, designed to help individuals better understand the latest security risks.

IBM Cyber Security Specialist Academic Track

Application Security Specialist

You are here ▼

Cyber Security Foundations — Application Security Specialist — Security Intelligence Analyst — Cross Skills

- Commerce
- Data Management
- Mobile
- Business Analytics
- Cloud
- Systems

IBM Official Courses (24 hs instructor-led)

RT330 - Essentials of Web Application Security

- Web Application Basics
- Hacking 101 - Introduction to Web Application Security
- OWASP Top 10 Web Application Security Vulnerabilities
- WASC threat classifications
- 7 coding principles that will help secure Web applications
- Common Vulnerabilities such as SQL Injection & Cross-site scripting
- Describe best practices for integrating security in the SDLC
- Threat Modeling & Application Security Testing

TK400 - IBM Security AppScan Standard Fundamentals

- Use advanced techniques to scan web applications
- Describe potential risks of conducting automated security scans
- Review scan results, filter false positives
- Prioritize issues and communicate them to stakeholders
- Use Glass box and malware scanning.
- Create reports that are based on discovered security issues
- Security AppScan SDK and eXtensions Framework (AXF)

IBM Textbooks

Redbook: REDP-4530-00 - Improving Your Web Application SDLC Security Posture with IBM Rational AppScan
http://www.redbooks.ibm.com/abstracts/redp4530.html?Open

IBM Exams

IBM Application Security Specialist – Academic Exam
www.ibm.biz/meauniversity

IBM Certified Specialist – IBM AppScan Standard Edition
Test C2150-139 - AppScan Standard Edition
http://www-03.ibm.com/certify/certs/38003501.shtml

IBM Cyber Security Specialist Academic Track

Security Intelligence Analyst

You are here

- Cyber Security Foundations
- Application Security Specialist
- Security Intelligence Analyst
- Cross Skills
  - Commerce
  - Data Management
  - Mobile
  - Business Analytics
  - Cloud
  - Systems

IBM Official Courses (32 hs instructor-led)

BQ102 - IBM Security QRadar SIEM 7.2 Foundations
- Network Security
- Dashboard
- Analyzing Log Activity, Network Activity and Advanced Filtering
- Asset and Vulnerability Assessment
- Offense Investigation, Rules and Tuning
- Reporting and Customer Support

BQ121 - IBM Security QRadar SIEM 7.2 Advanced
- Manage the QRadar administration functionality
- Create and customize network and remote hierarchies
- Create Reference Sets
- Create user security profiles and custom properties
- Create and deploy a Universal DSM
- Create event, flow and anomaly rules

IBM Textbooks

Redbook: REDP-4956-00 - - Realizing Efficient Enterprise Security Intelligence by Using IBM Security Intelligence Solutions
http://www.redbooks.ibm.com/abstracts/redp4956.html?Open

IBM Exams

IBM Security Intelligence Analyst – Academic Exam
www.ibm.biz/meauniversity

IBM Certified Associate - Security QRadar
Test C2150-195 - IBM Security Qradar
http://www-304.ibm.com/jct03001c/certify/certs/47000502.shtml

IBM Cyber Security Specialist Academic Track

Prerequisite Skills

Application Security Specialist

Basic knowledge of:

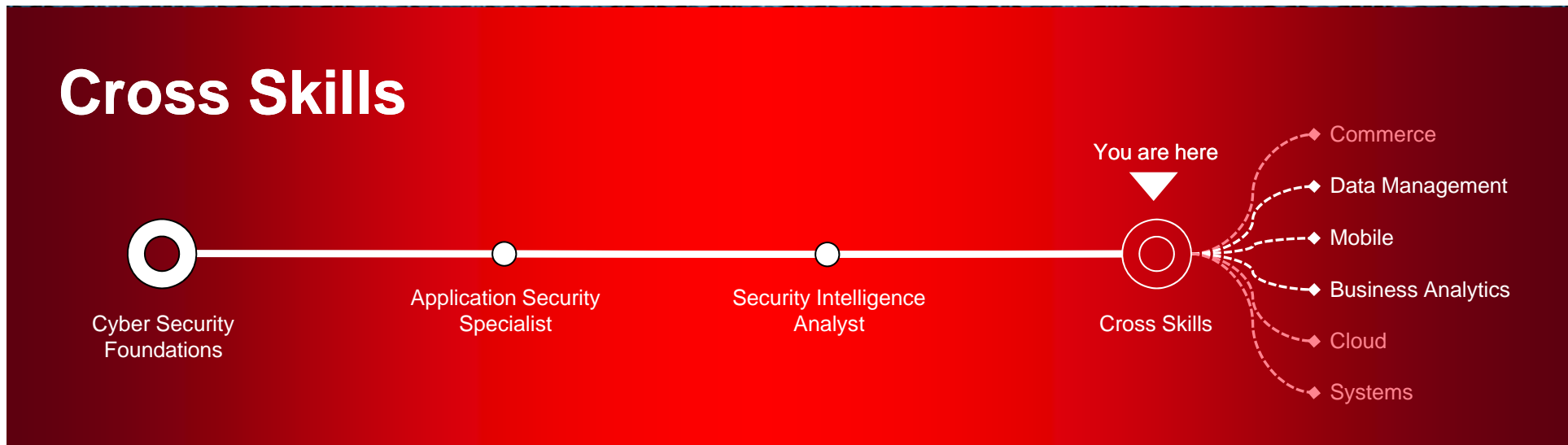- English language proficiency
- Knowledge of HTTP, HTML coding, and development
- General Cyber security awareness, especially in web applications
- Understanding of web based security vulnerabilities (such as XSS and SQL Injection)

Security Intelligence Analyst

Required Prerequisites:

- Basic TCP/IP networking skills
- System administration knowledge
- Basic information security skills

IBM Cyber Security Specialist Academic Track

Cross Skills

Cyber Security Foundations — Application Security Specialist — Security Intelligence Analyst — Cross Skills

You are here

- Commerce
- Data Management
- Mobile
- Business Analytics
- Cloud
- Systems

Mobile Application - Secure your mobile applications

With the explosive growth in the mobile ecosystem, mobile application security is a huge concern. New mobile application designs require new ways of testing to ensure data safety. In this article, explore different aspects of mobile application security. With hands-on examples, learn to use IBM® Security AppScan® Standard with mobile user agents and with emulators and actual devices for Android and iOS.

Data Management - IBM InfoSphere Guardium Technical Training (Course Code: GU201)

This course offers a balanced mix of lectures, hands-on lab work, case studies, and testing. You will learn how to create reports, audits, alerts, metrics, compliance oversight processes, and database access policies and controls. You will also learn about system administration, archiving, purging, and back-ups.

Business Analytics - IBM Business Analytics Proven Practices: IBM Cognos BI Authentication and Single Sign-On.

Implement seamless authentication between security systems and IBM Cognos BI, using these guidelines. This document contains important information about the technical concepts and backgrounds involved and the design of authentication and single sign-on (SSO) functionality in IBM Cognos BI. It also discusses setting expectations regarding supported vs unsupported environments and information that must be gathered for troubleshooting the IBM Cognos BI side of things. This document is intended for security architects and administrators designing authentication for a system includes Cognos BI.

IBM Business Analytics Specialist –
Academic Roadmap

Business Analytics Specialist
Complete Academic Certification Track Overview

Business Analytics Foundations — Business Intelligence Specialist — Predictive Analytics Specialist — Cross Skills

- Commerce
- Data Management
- Mobile
- Security
- Cloud
- Systems

Business Analytics Foundations
Content: Business Analytics Overview, Business Analytics Domains, Business Intelligence & Analytics Applications, Predictive Analysis

Business Intelligence Specialist - Tool: IBM Cognos Studio Reports
Courses: Business Intelligence, Report Studio: Author Professional Reports

Predictive Analytics Specialist - Tool: IBM SPSS Modeler
Courses: Predictive Modeling

Analytics Cross Skills
Analytics Tools for Big Data, Business Intelligence of Data Platforms, Mobile Analytics solutions

IBM Business Analytics Specialist –
Academic Roadmap

Business Analytics Foundations

You are here
▼

○ Business Analytics Foundations ─── ○ Business Intelligence Specialist ─── ○ Predictive Analytics Specialist ─── ◎ Cross Skills

- ◆ Commerce
- ◆ Data Management
- ◆ Mobile
- ◆ Security
- ◆ Cloud
- ◆ Systems

Foundations (4 hs instructor-led)

Business Analytics Foundations Course
- Analytics Industry Overview
- Past, Present and Future
- Trends
- Enterprise Analytics
- Industry Domains:
  - Healthcare
  - Telco
  - Banking
  - Government
- Case Studies in Africa
- Watson Research
- Cross-skills
- Links and additional resources

Pre-requisite courses (10 hs self-paced)

B5288 - IBM Cognos BI for Consumers (V10.2)
- Access Content and Manage Events in IBM Cognos BI
- Define users, groups, and roles
- Access published reports in IBM Cognos Connection
- Set access permissions, save, view and manage report versions
- Set alerts and watch rules on saved output
- Create a simple dashboard reports, add interactivity to dashboards
- Create a multi-page dashboard

B5A08 - Overview of IBM Cognos BI (v10.2.2)
- Examine Report Studio and its interface with report types
- Create a multi-fact query and examine detail and summary filters
- Create and convert lists to Crosstab Reports

IBM Business Analytics Specialist –
Academic Roadmap

Business Intelligence Specialist

You are here

- Business Analytics Foundations
- Business Intelligence Specialist
- Predictive Analytics Specialist
- Cross Skills

- Commerce
- Data Management
- Mobile
- Security
- Cloud
- Systems

IBM Official Courses (40 hs instructor-led)

B5A58 - IBM Cognos Report Studio: Authoring Professional Reports Fundamentals (V10.2.2)
- Examine Report Studio and its interface with report types
- Create a multi-fact query, and examine detail and summary filters
- Create and convert lists to Crosstab Reports
- Present Data Graphically

B5A59 - IBM Cognos Report Studio: Author Professional Reports Advanced (V10.2.2)
- Examine detail filters and summary filters
- Format and sort crosstab reports
- Add RAVE visualizations
- Use parameters and prompts to focus data
- Add run-time information to the reports
- Pass parameter values to filter the data in drill-through targets

IBM Textbooks

Redbook: REDP-4693-00- IBM Cognos Business Intelligence V10.1: Intelligence Unleashed
http://publib-b.boulder.ibm.com/abstracts/redp4693.html?Open

IBM Exams

IBM Business Intelligence Specialist - Academic Exam
www.ibm.biz/meauniversity
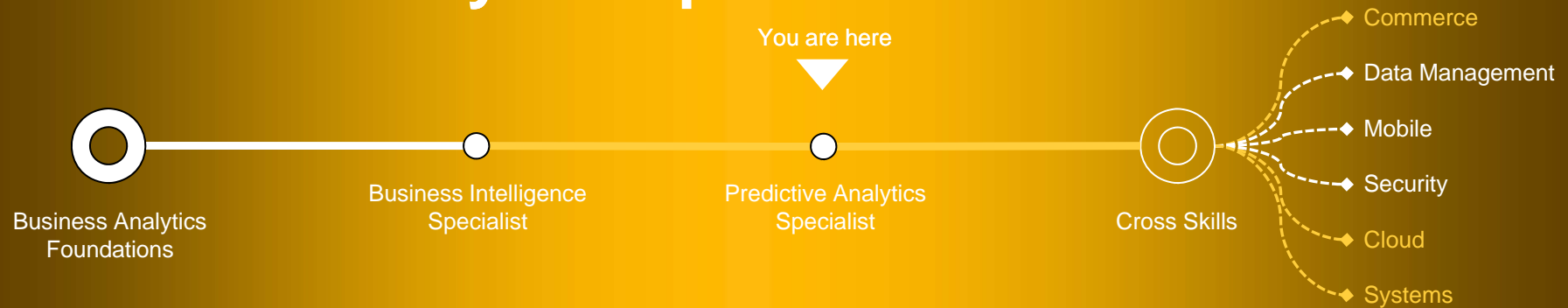
IBM Professional Certification – Cognos BI Reports
IBM Certified Designer - Cognos 10 BI Reports
Test C2020-612: IBM Cognos 10 BI Author
http://www-03.ibm.com/certify/tests/eduC2020-612.shtml

IBM Business Analytics Specialist –
Academic Roadmap

Predictive Analytics Specialist

You are here

- Business Analytics Foundations
- Business Intelligence Specialist
- Predictive Analytics Specialist
- Cross Skills
  - Commerce
  - Data Management
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IBM Official Courses (40hs instructor-led)

0A005 - Introduction to IBM SPSS Modeler & Data Mining (V16)
- Explain the stages of the CRISP-DM process model.
- Modeling objectives, classification, work with nodes and supernodes.
- Explain the primary concepts used in data mining.
- Build, evaluate and deploy a model.
- Add records and fields from multiple datasets into one dataset.

0A055 - Advanced Data Preparation IBM SPSS Modeler (V16)
- Importing dates from data sources, and data transformation
- Count and state forms of the derive node
- Data sampling and reduction principal components, SQL optimization
- Decision Trees, Time series analysis, Linear, Cox and Logistic regression

0A0G2 - Automated Data Mining with IBM SPSS Modeler
- Building predictive models, automation and customer segmentation
- Reading and preparing data for modeling using a variety of methods

IBM Textbooks
Redbook: REDP-4710-00- IBM SPSS predictive analytics: Optimizing decisions at the point of impact
http://publib-b.boulder.ibm.com/abstracts/redp4710.html?Open

IBM Exams

IBM Predictive Analytics Specialist - Academic Exam
www.ibm.biz/meauniversity

IBM Certified Associate - SPSS Modeler Data Analysis v2
Test C2020-013: IBM SPSS Modeler Data Mining for Business Partners
https://www-03.ibm.com/certify/tests/eduC2020-013.shtml

IBM Business Analytics Specialist –
Academic Roadmap

Prerequisite Skills

Business Intelligence Specialist

- Knowledge of your organizations business intelligence process and reporting needs
- Experience using the Windows operating system
- Experience using a Web browser
- Basic knowledge of SQL
- Basic knowledge of XML

Predictive Analytics Specialist

- General computer literacy

IBM Business Analytics Specialist –
Academic Roadmap

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Business Analytics Foundations

Business Intelligence Specialist

Predictive Analytics Specialist

Cross Skills

Mobile Application – Installing and configuring the Symbian Simulator for Cognos Go Mobile
This document provides step by step instructions on how to install and configure the Symbian simulator for use with IBM Cognos GO! Mobile. Learn how to Find the Java Development Kit jdk-1_5_0_x, installing the Java Wireless Toolkit, obtain a local copy of the cognos_mobile.jad file and laundhing the Go! Mobile in the Symbian Simulator.

Security – IBM Analytics Proven Practices: IBM Cognos BI Authentication and Single Sign-On.
Implement seamless authentication between security systems and IBM Cognos BI, using these guidelines. This document contains important information about the technical concepts and backgrounds involved and the design of authentication and single sign-on (SSO) functionality in IBM Cognos BI. It also discusses setting expectations regarding supported vs unsupported environments and information that must be gathered for troubleshooting the IBM Cognos BI side of things. This document is intended for security architects and administrators designing authentication for a system includes Cognos BI.

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Summer Boot Camp – July 25 (IBM & ITI)

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