MICROSOFT CERTIFICATION PATH COMPETENCY AREAS

Mobility: IT Pro

Aptitude in managing the multi-device realities of today's business

Cloud platform: IT Pro & Developer

Excellence in cloud-based workload administration and engineering

Productivity: IT Pro

Expertise in deploying Microsoft Office cloud and hybrid solutions to enterprise customers

Data management & analytics: IT Pro & Developer

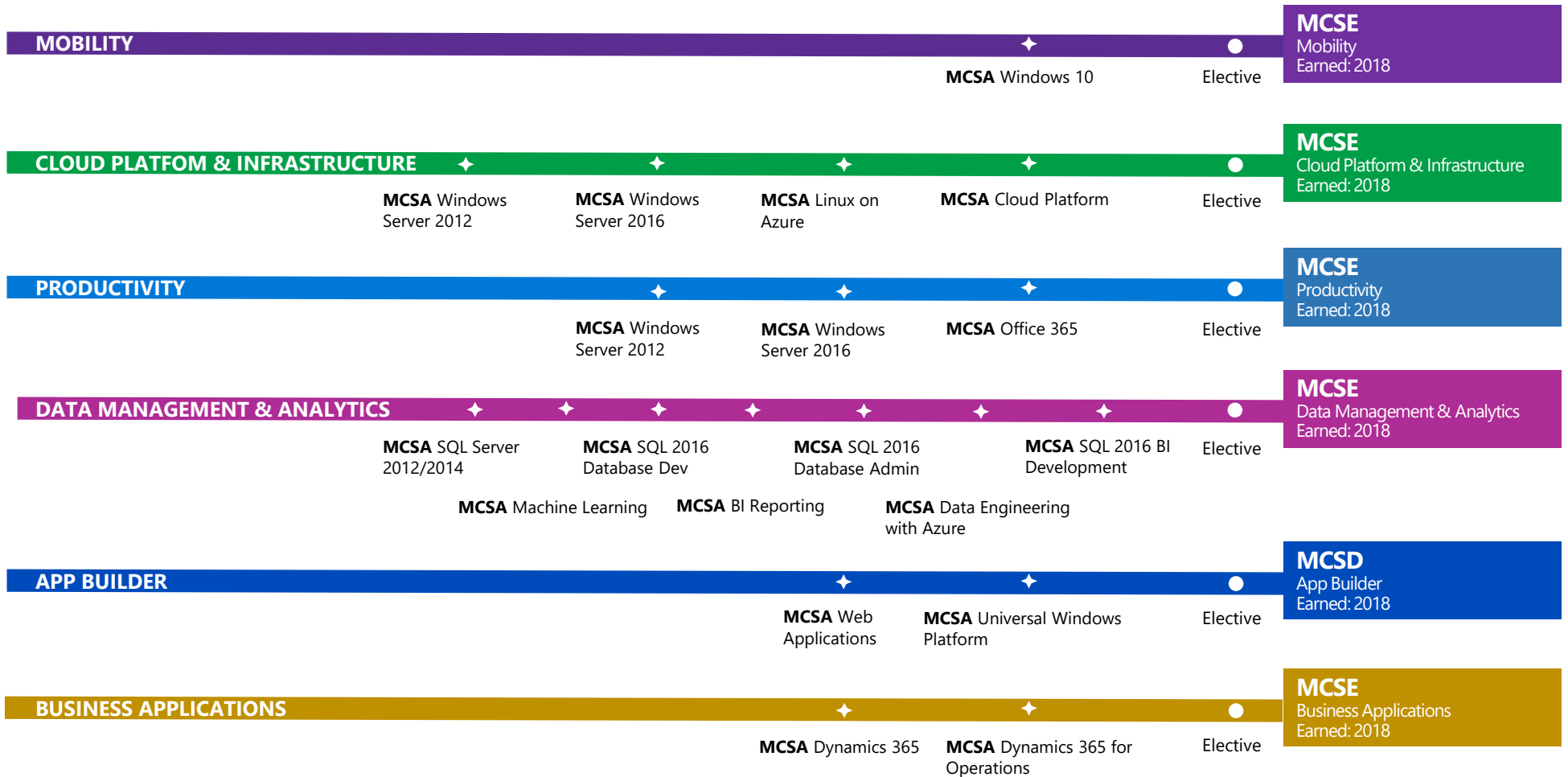Proficiency in database administration and infrastructure

App Builder: Developer
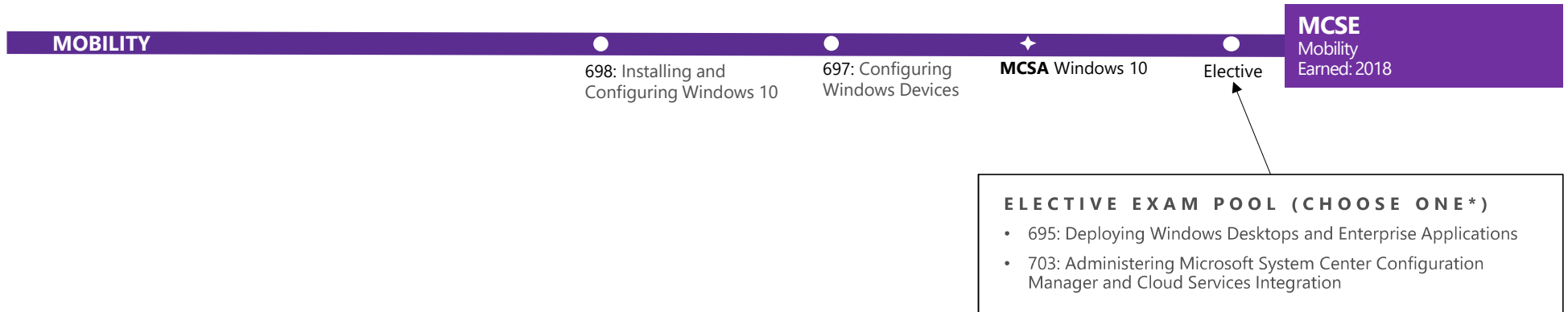
Expertise in app development and quality assurance

Business Applications: IT Pro & Developer

Skills in Microsoft Dynamics Business Applications Software

Microsoft Learning

MOBILITY

MCSA Windows 10   Elective

MCSE
Mobility
Earned: 2018

CLOUD PLATFOM & INFRASTRUCTURE

MCSA Windows Server 2012   **MCSA** Windows Server 2016   **MCSA** Linux on Azure   **MCSA** Cloud Platform   Elective

MCSE
Cloud Platform & Infrastructure
Earned: 2018

PRODUCTIVITY

MCSA Windows Server 2012   **MCSA** Windows Server 2016   **MCSA** Office 365   Elective

MCSE
Productivity
Earned: 2018

DATA MANAGEMENT & ANALYTICS

MCSA SQL Server 2012/2014   **MCSA** SQL 2016 Database Dev   **MCSA** SQL 2016 Database Admin   **MCSA** SQL 2016 BI Development   Elective

MCSA Machine Learning   **MCSA** BI Reporting   **MCSA** Data Engineering with Azure

MCSE
Data Management & Analytics
Earned: 2018

APP BUILDER

MCSA Web Applications   **MCSA** Universal Windows Platform   Elective

MCSD
App Builder
Earned: 2018

BUSINESS APPLICATIONS

MCSA Dynamics 365   **MCSA** Dynamics 365 for Operations   Elective

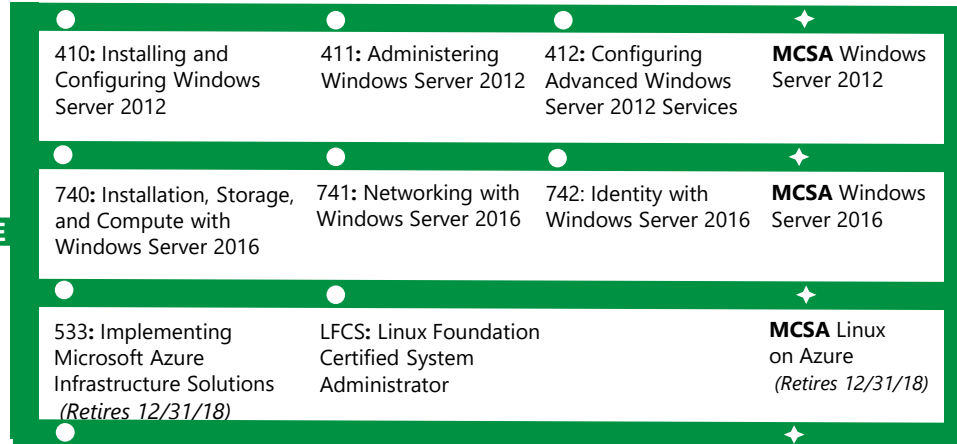**MCSE**
Business Applications
Earned: 2018

Complete one of the MCSAs in the associated path and pass one exam from the elective exam pool to earn your MCSE or MCSD certification.

MOBILITY PATH

MOBILITY

698: Installing and Configuring Windows 10

697: Configuring Windows Devices

MCSA Windows 10

Elective

MCSE
Mobility
Earned: 2018

ELECTIVE EXAM POOL (CHOOSE ONE*)

- 695: Deploying Windows Desktops and Enterprise Applications
- 703: Administering Microsoft System Center Configuration Manager and Cloud Services Integration

*Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSE, then choose a different elective next year to stay relevant and prove your expanded skills.

CLOUD PLATFORM & INFRASTRUCTURE PATH

CLOUD PLATFORM & INFRASTRUCTURE

410: Installing and Configuring Windows Server 2012

411: Administering Windows Server 2012

412: Configuring Advanced Windows Server 2012 Services

MCSA Windows Server 2012

740: Installation, Storage, and Compute with Windows Server 2016

741: Networking with Windows Server 2016

742: Identity with Windows Server 2016

MCSA Windows Server 2016

533: Implementing Microsoft Azure Infrastructure Solutions *(Retires 12/31/18)*

LFCS: Linux Foundation Certified System Administrator

MCSA Linux on Azure *(Retires 12/31/18)*

MCSA Cloud Platform *(Retires 12/31/18)*

Choose two from:
532: Developing Microsoft Azure Solutions *(Retires 12/31/18)*
533: Implementing Microsoft Azure Infrastructure Solutions *(Retires 12/31/18)*
535: Architecting Microsoft Azure Solutions *(Retires 12/31/18)*
537: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack

Elective

MCSE
Cloud Platform & Infrastructure
Earned: 2018

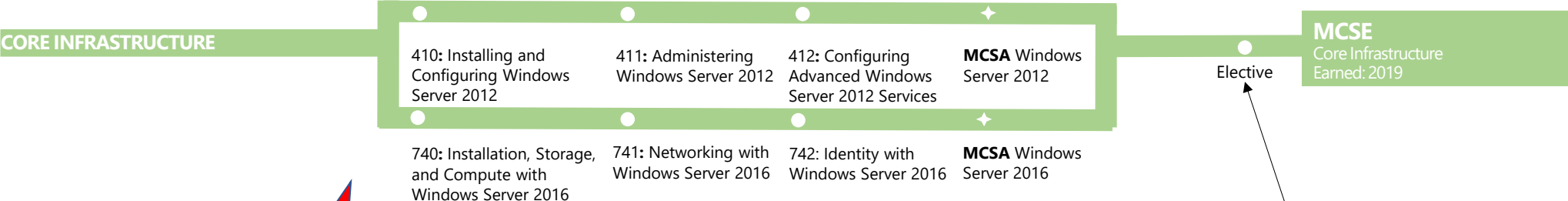Reflects updated retirement dates for some certifications and exams

ELECTIVE EXAM POOL (CHOOSE ONE*)

- 413: Designing and Implementing a Server Infrastructure
- 414: Implementing an Advanced Server Infrastructure
- 473: Designing and Implementing Cloud Data Platform Solutions
- 475: Designing and Implementing Big Data Analytics Solutions
- 532: Developing Microsoft Azure) Solutions *(Retires 12/31/18)*
- 533: Implementing Microsoft Azure Infrastructure Solutions *(Retires 12/31/18)*
- 535: Architecting Microsoft Azure Solutions *(Retires 12/31/18)*
- 537: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack
- 744: Securing Windows Server 2016
- 745: Implementing a Software-Defined Datacenter

**Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSE, then choose a different elective next year or retake a previously taken cloud-based exam to stay relevant and prove your expanded skills.*
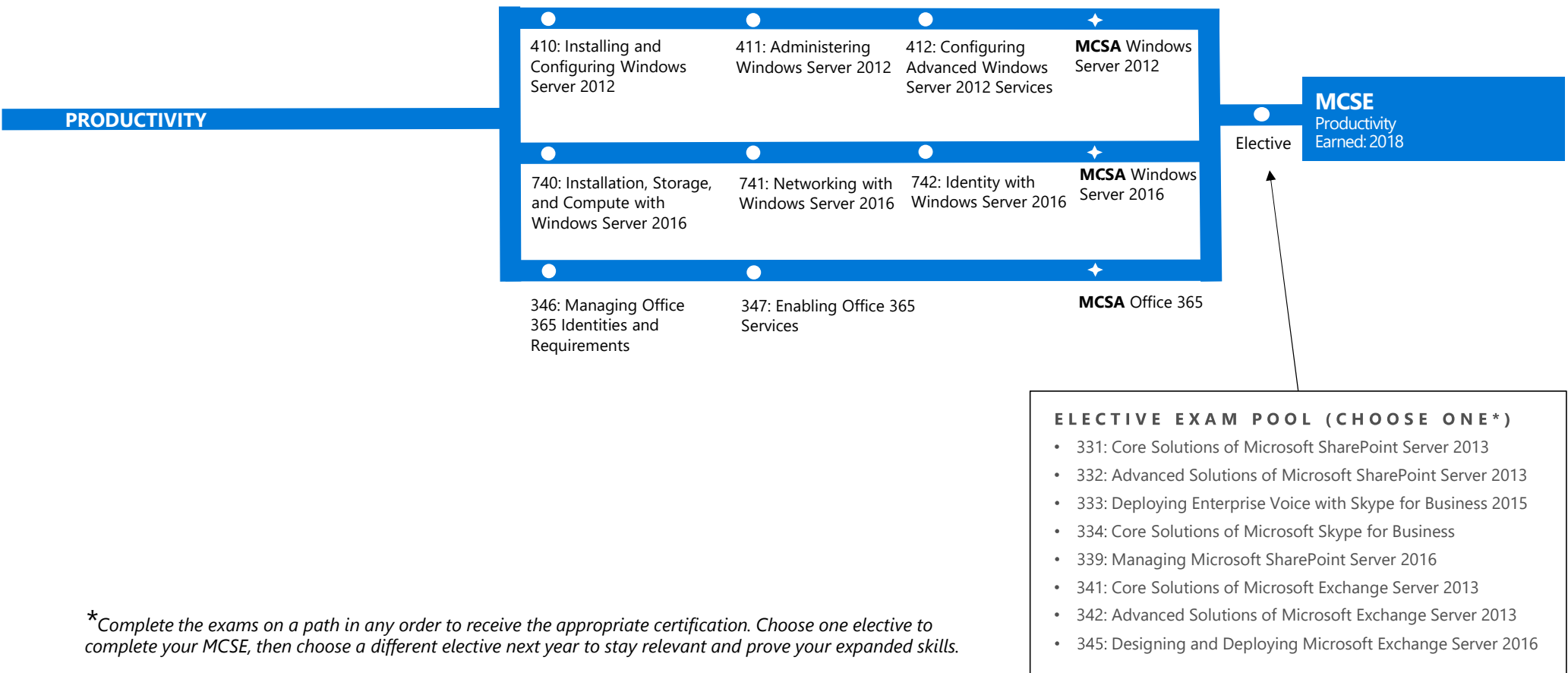
CORE INFRASTRUCTURE PATH

CORE INFRASTRUCTURE

410: Installing and Configuring Windows Server 2012

411: Administering Windows Server 2012

412: Configuring Advanced Windows Server 2012 Services

MCSA Windows Server 2012

740: Installation, Storage, and Compute with Windows Server 2016

741: Networking with Windows Server 2016

742: Identity with Windows Server 2016

MCSA Windows Server 2016

Elective

MCSE
Core Infrastructure
Earned: 2019

NEW

Available
January 1, 2019

ELECTIVE EXAM POOL (CHOOSE ONE*)

- 413: Designing and Implementing a Server Infrastructure
- 414: Implementing an Advanced Server Infrastructure
- 473: Designing and Implementing Cloud Data Platform Solutions
- 475: Designing and Implementing Big Data Analytics Solutions
- 537: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack
- 744: Securing Windows Server 2016
- 745: Implementing a Software-Defined Datacenter

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PRODUCTIVITY PATH

PRODUCTIVITY

410: Installing and Configuring Windows Server 2012

411: Administering Windows Server 2012

412: Configuring Advanced Windows Server 2012 Services

MCSA Windows Server 2012

740: Installation, Storage, and Compute with Windows Server 2016

741: Networking with Windows Server 2016

742: Identity with Windows Server 2016

MCSA Windows Server 2016

346: Managing Office 365 Identities and Requirements

347: Enabling Office 365 Services

MCSA Office 365

Elective

MCSE
Productivity
Earned: 2018

ELECTIVE EXAM POOL (CHOOSE ONE*)

- 331: Core Solutions of Microsoft SharePoint Server 2013
- 332: Advanced Solutions of Microsoft SharePoint Server 2013
- 333: Deploying Enterprise Voice with Skype for Business 2015
- 334: Core Solutions of Microsoft Skype for Business
- 339: Managing Microsoft SharePoint Server 2016
- 341: Core Solutions of Microsoft Exchange Server 2013
- 342: Advanced Solutions of Microsoft Exchange Server 2013
- 345: Designing and Deploying Microsoft Exchange Server 2016

*Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSE, then choose a different elective next year to stay relevant and prove your expanded skills.

DATA MANAGEMENT & ANALYTICS PATH

DATA MANAGEMENT & ANALYTICS

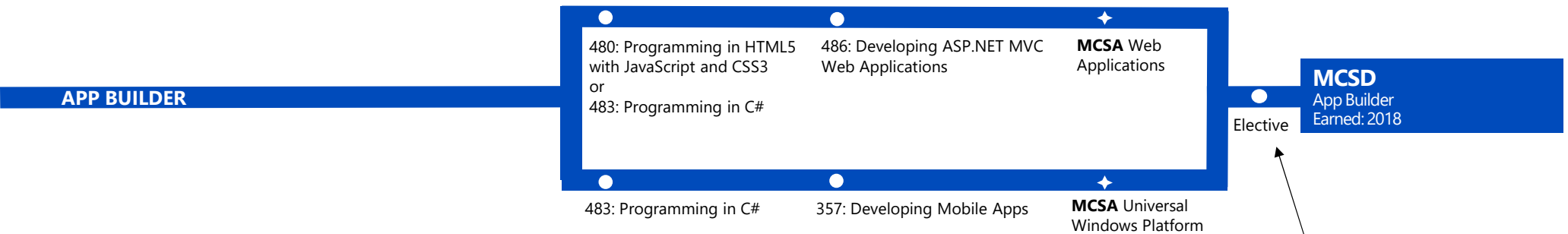|			
461: Querying Microsoft SQL Server 2012/2014	462: Administering Microsoft SQL Server 2012/2014 Databases	463: Implementing a Data Warehouse with Microsoft SQL Server 2012/2014	**MCSA** SQL Server 2012/2014
761: Querying Data with Transact-SQL	762: Developing SQL Databases		**MCSA** SQL 2016 Database Dev
764: Administering a SQL Database Infrastructure	765: Provisioning SQL Databases		**MCSA** SQL 2016 Database Admin
767: Implementing a SQL Data Warehouse	768: Developing SQL Data Models		**MCSA** SQL 2016 BI Development
773: Analyzing Big Data with Microsoft R	774: Perform Cloud Data Science with Azure Machine Learning		**MCSA** Machine Learning
778: Analyzing and Visualizing Data with Microsoft Power BI	779: Analyzing and Visualizing Data with Microsoft Excel		**MCSA** BI Reporting
775: Perform Data Engineering on Microsoft Azure HD Insight	776: Engineering Data with Microsoft Cloud Services		**MCSA** Data Engineering with Azure

Elective

MCSE
Data Management & Analytics
Earned: 2018

ELECTIVE EXAM POOL (CHOOSE ONE*)

- 464: Developing Microsoft SQL Server Databases
- 465: Designing Database Solutions for SQL Server
- 466: Implementing Data Models and Reports with Microsoft SQL Server
- 467: Designing Business Intelligence Solutions with Microsoft SQL Server
- 473: Designing and Implementing Cloud Data Platform Solutions
- 475: Designing and Implementing Big Data Analytics Solutions
- 762: Developing SQL Databases
- 767: Implementing a SQL Data Warehouse
- 768: Developing SQL Data Models
- 773: Analyzing Big Data with Microsoft R
- 774: Perform Cloud Data Science with Azure Machine Learning
- 775: Perform Data Engineering on Microsoft Azure HDInsight
- 777: Implementing Azure Cosmos DB Solutions

*Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSE, then choose a different elective next year or retake a previously taken cloud-based exam to stay relevant and prove your expanded skills.

APP BUILDER PATH

APP BUILDER

480: Programming in HTML5
with JavaScript and CSS3
or
483: Programming in C#

486: Developing ASP.NET MVC
Web Applications

MCSA Web
Applications

483: Programming in C#

357: Developing Mobile Apps

MCSA Universal
Windows Platform

Elective

MCSD
App Builder
Earned: 2018

Reflects updated
retirement dates for some
exams in the Elective Pool
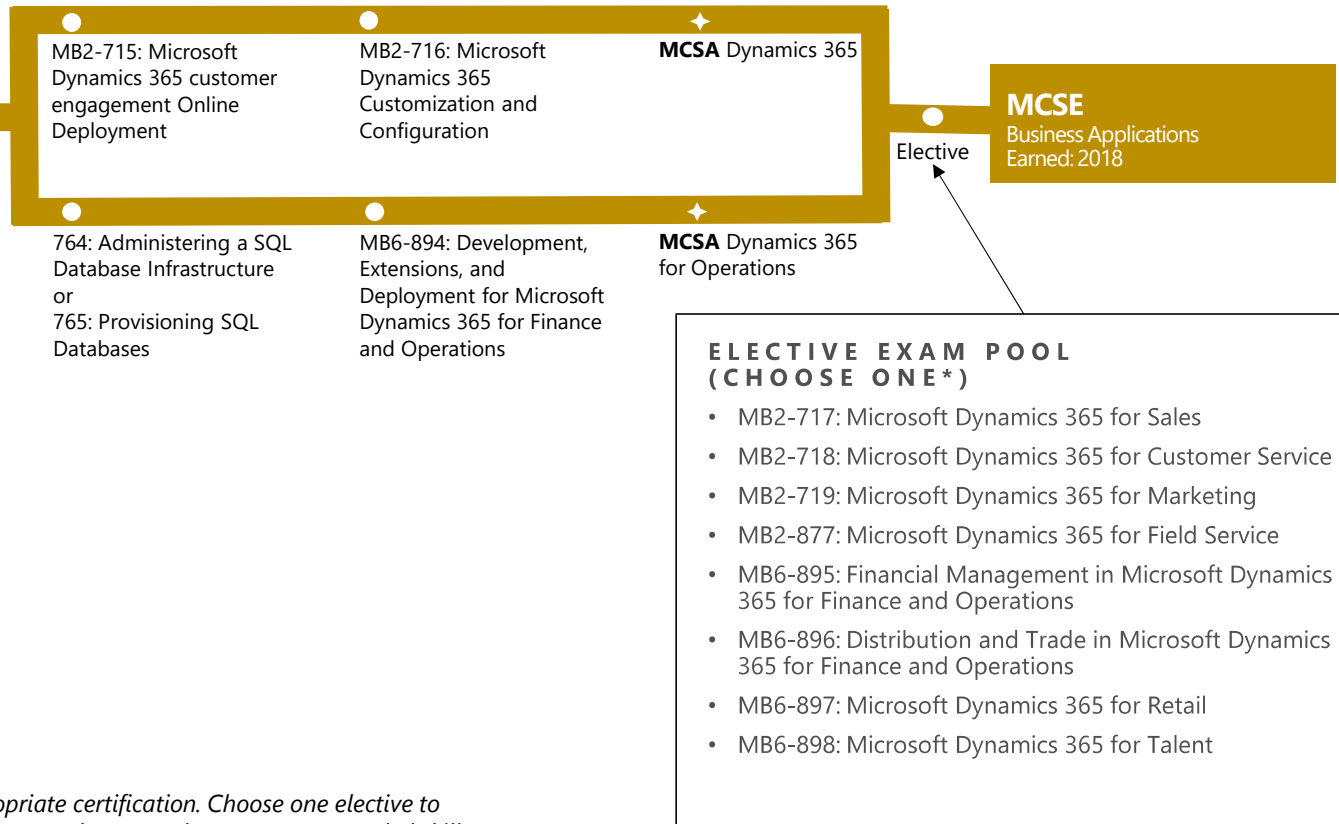
ELECTIVE EXAM POOL (CHOOSE ONE*)

- 487: Developing Microsoft Azure and Web Services
- 496: Administering Microsoft Visual Studio Team Foundation Server *(Retires 12/31/2018)*
- 497: Software Testing with Visual Studio *(Retires 12/31/2018)*
- 498: Delivering Continuous Value with Visual Studio Application Lifecycle Management *(Retires 12/31/2018)*
- 532: Developing Microsoft Azure Solutions *(Retires 12/31/18)*
- 535: Architecting Microsoft Azure Solutions *(Retires 12/31/18)*

**Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSD, then choose a different elective next year to stay relevant and prove your expanded skills.*

BUSINESS APPLICATIONS PATH

BUSINESS APPLICATIONS

MB2-715: Microsoft Dynamics 365 customer engagement Online Deployment

MB2-716: Microsoft Dynamics 365 Customization and Configuration

MCSA Dynamics 365

764: Administering a SQL Database Infrastructure
or
765: Provisioning SQL Databases

MB6-894: Development, Extensions, and Deployment for Microsoft Dynamics 365 for Finance and Operations

MCSA Dynamics 365 for Operations

Elective

MCSE
Business Applications
Earned: 2018

ELECTIVE EXAM POOL (CHOOSE ONE*)

- MB2-717: Microsoft Dynamics 365 for Sales
- MB2-718: Microsoft Dynamics 365 for Customer Service
- MB2-719: Microsoft Dynamics 365 for Marketing
- MB2-877: Microsoft Dynamics 365 for Field Service
- MB6-895: Financial Management in Microsoft Dynamics 365 for Finance and Operations
- MB6-896: Distribution and Trade in Microsoft Dynamics 365 for Finance and Operations
- MB6-897: Microsoft Dynamics 365 for Retail
- MB6-898: Microsoft Dynamics 365 for Talent

Complete the exams on a path in any order to receive the appropriate certification. Choose one elective to complete your MCSE, then choose a different elective next year to stay relevant and prove your expanded skills.