



The Global Language of Business

GS1 System Certificate Courses

**The essential GS1 standards
qualifications for Solution Providers**



GS1 System Certificate Course

Completing the GS1 System Certificate Course arms the learner with an essential understanding of GS1 standards terminology and ensures the candidate has a clear understanding of the fundamentals of GS1 standards, as grouped into the four pillars of **Identify, Capture, Share** and **Use**.

The GS1 System Certificate provides a high level overview of GS1 supply chain standards, focussing on how they can be used in different business processes throughout the supply chain to deliver cost benefits, operational efficiency and visibility.

In the introductory Certificate Course the most commonly deployed identification keys (GTIN and GLN) and most often used barcode symbols (EAN/UPC) are covered. The basics of RFID tags as a method of data capture is also introduced. The key elements of the data sharing process are covered in the introductory EDI and GDSN modules.

GS1 System Certificate Course Modules

- Introduction to GS1
- Identification Numbers (GTIN, GLN, SSCC)
- Barcode Symbols - (EAN/UPC)
- Introduction to GS1 Electronic Data Interchange (EDI)
- Electronic Product Code (EPC)/Radio Frequency Identification (RFID)
- Global Data Synchronisation Network (GDSN)

Learning Outcomes

As a result of completing the System Certificate Course the learner will:

- Become familiar with the core terminology used in the context of supply chain standards
- Understand how GS1 identification numbers are the foundation of many business processes and systems
- Recognise how the components of GS1 standards inter-relate to each other



Who is the System Certificate Course for?

The GS1 System Certificate Course is ideal for anyone who requires a basic understanding of the wide scope and opportunity for GS1 standards adoption.

Candidates come from across a variety of business disciplines including Sales & Marketing, Business Development, Project Management, System Design and Solution Specification.

Course Requirements

No prior knowledge of supply chain standards is required to take the GS1 System Certificate Course.

Certificate Assessment

Upon completion of all modules within the GS1 System Certificate Course you will be required to complete an online assessment. A minimum passing grade of 80% is required to achieve the Certificate Award.

Further Information

To learn more about this course and earning your GS1 System Certificate please email training@gs1ie.org or speak to your GS1 Account Manager.

Advanced GS1 System Certificate Course

The Advanced GS1 System Certificate Course builds on the knowledge gained in the introductory GS1 System Certificate and goes into more detail on GS1 standards application in traceability and data sharing systems.

Completing the Advanced Course will give you a more in-depth knowledge of GS1's identification numbers for asset identification and tracking (GRAI, GIAI). The more advanced Data Carriers are covered, including the barcode symbologies GS1 Datamatrix and GS1-128, which are used extensively to support product visibility and traceability systems in the Food and Healthcare sectors.

The course also includes modules on; the GS1 Global Standards Management Process (GSMP), the process through which GS1 standards are developed; the fundamentals of traceability within the supply chain; to world of GS1 RFID standards and event-data capture through GS1's Electronic Product Code Information Services (EPCIS) and finally; the principles of data quality are covered, which is essential to the smooth operation of today's supply chains, regardless of the technology chosen.

Advanced Certificate Course Modules

- Identification Numbers - (GRAI, GIAI)
- Barcodes - (AI's, Datamatrix, GS1-128)
- Electronic Product Code Information Services (EPCIS)
- Introduction to Traceability
- Building a Traceability Framework
- Introduction to Data Quality
- Creating standards - The GSMP Community

Learning Outcomes

As a result of completing the Advanced Certificate Course you will:

- Develop an in-depth understanding of GS1 identification numbers and the full range of barcode symbologies within the GS1 family
- Understand the architecture for cloud-based visibility systems and event-based traceability
- Understand the importance of good data quality in the supply chain



Who is the Advanced Certificate Course for?

The Advanced System Certificate will benefit employees within Solution Provider organisations, who need to understand the fundamentals of GS1 standards beyond the basic barcode.

The GS1 Advanced System Certificate is intended for industry professionals who require a deeper technical understanding of the design and implementation of supply chain systems and solutions.

Due to its strong emphasis on traceability, it would benefit those looking to implement traceability solutions for clients.

Course Requirements

Candidates are required to have successfully completed the GS1 System Certificate prior to undertaking the Advanced GS1 System Certificate exam.

Certificate Assessment

Upon completion of all modules within the course you will be required to complete an online assessment. A minimum passing grade of 80% is required to achieve the Advanced Certificate Award.

Further Information

To learn more about this course and earning your Advanced GS1 System Certificate please email training@gs1ie.org or speak to your GS1 Account Manager.

GS1 System Certificate Assessments

The GS1 Certificate Courses enable an individual to test and validate their knowledge of GS1 standards. The Certificate Assessments compliment the GS1 Learning Zone Courses and are based on fundamental principles and key learning points, drawn from a number of modules across the range of courses.

Two Certificate Assessments are available:

GS1 System Certificate

The GS1 System Certificate tests a candidate on an essential understanding of supply chain standards as they relate to the principles of Identify, Capture and Share.

Advanced GS1 System Certificate

Building on the knowledge gained in the introductory course, the Advanced Assessment focuses on assessing the candidate's familiarity with the full range of GS1 identification numbers and data carriers. Emphasis is placed on understanding the dynamics of object identification and data sharing within the context of next generation tracking and traceability systems.



About the GS1 Learning Zone

The Learning Zone is GS1's online training centre. Completing the courses and assessments provides you with the resources and tools you need to discover, learn and master GS1 standards.

To date, we've trained and educated thousands of individuals on our standards and solutions. GS1 training helps you to use our standards in your business to:

- Improve supply chain and operational efficiency – saving you and your clients money
- Meet your customer requirements and increase business opportunities
- Comply with local and global regulations, making trading easier

Regardless of the industry sectors you serve or your current level of understanding of GS1 standards – our training will benefit you.

To begin your GS1 learning experience contact us today.

Tel: 353 1 208 0660 Email: training@gs1ie.org Web: www.gs1ie.org/training



2nd Floor The Merrion Centre, Nutley Lane, Donnybrook, Dublin 4, Ireland.

Connect with us

