Course Name: Program Design

Course Code: ISPGD

Duration: 1 Day

Price: £ 575

Prerequisites: There are no specific prerequisites for attendance on this course.

Course Outline: This course introduces delegates to standard program design techniques which will improve programmer productivity. With a greater awareness of the IBM i programming environment and program types available, programmer productivity will be improved for both testing and developing efficient and easy to maintain applications. Any programming staff with limited or no previous programming experience within IBM i would benefit from attendance on this course.

Course Content:
• Why bother with program design
• The major steps in program design
• Defining the output
• Developing Logic
• Using flowcharts
• Conditioning and Looping options
• Using Pseudo code or Structured English
• Programming concepts
• File handling concepts
• Variables, Arrays and Parameters
• Decision making – conditioning and looping
• The format of a structured program
• Sub-routines
• Outline logic for basic program structure
• Report
• Transaction processing

- Enquiry
- Maintenance
- Validation & record locking
- Subfile
- Program linkage
- Inter-Program communication
- Parameters
- Data Areas
- Data Queues
- Messages
- Message queues

Follow on Courses: Having attended this course more will be gained when attending courses such as CL Programming (ISCLP), RPGIV Programming (ISR4P), RPG/400 Programming (ISRPP), Cobol Programming (ISCBP) and the more advanced RPG Subfile (ISRPS), Advanced RPG4 Programming (ISR4A).

Schedule:
2025

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Dates available on request – Please call or email for details

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