

**MASTER TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-05 and GS-07 levels**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
ADA Basic Programming Course	SDC-L, Keesler AFB	FC	2	1 week	K25
Basic Concepts of Data Processing (BCOMP 790M)	GSA	FC	2	1 week	K7, K14, K24
C Programming	USDA	FC	2	1 week	K25
Computer Security Awareness	OPM	FC	2	1 day	K2, K10
Contracting Fundamentals (DAU: CON 101)	DAU	SS	2	Variable	K3
Cost Analysis	GSA	FC	2	1 week	K4, K10, K11
Data Base Management Systems	Local vendor or local learning center	FC	2	Variable	K17, K16
Data Modeling Concepts (BCOMP 707M)	GSA	FC	2	3 days	K7, K16, K21
Fundamentals of Computer Security for Federal Information Systems (BCOMP 768M)	GSA	FC	2	1 week	K2, K10
Fundamentals of Systems Acquisition Management	DSMC	FC	2	1 week	K1, K4, K5
Oracle or Informix—4GL	Local	FC	2	1 week	K7, K16, K17
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS</b>	<b>SELF STUDY</b>		

**MASTER TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-05 and GS-07 levels (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Information Resources Management	DAU	FC	2	1 week	K1
Introduction to Computer Programming Correspondence Course (CCOMP 102)	GSA	SS	2	Variable	K7, K14, K25
Introduction to Information Systems Technology Correspondence Course (CCOMP 110)	GSA	SS	2	Variable	K24
Introduction to the Federal EEO Program (OPM 22VK)	OPM	FC	2	3 days	K18
Introduction to UNIX and the Shell	USDA	FC	2	4 days	K7, K14, K25, K29
Local Area Network/Wide Area Network Introduction	USDA	FC	2	3 days	K15
Methods in IT Systems Development	USDA/Local	FC	2	2 weeks	K9, K10
Modem Magic (BCOMP 701M)	GSA	FC	2	1 day	K15
Quality Assurance Orientation	DAU	FC	2	1 week	K9
PC Memory Management Techniques (BCOMP 720M)	GSA	FC	2	1 day	K14
Structured Programming Techniques (BCOMP 709M)	GSA	FC	2	3 days	K7, K14, K25
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS SELF STUDY</b>			

**MASTER TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-09 level**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
ADA Programming	SDC-L, Keesler AFB	FC	2	1 week	K25
Basic ADP Procurement (APRMP 825M)	GSA	FC	2	4 days	K3
C++ Programming and Design	USDA/Local	FC	2	1 week	K25
Client Server Architecture and Data Networking	AT&T	FC	3	2 days	K15, K28
Computer Network Architecture (DC 2240)	AT&T	FC	2	2 days	K15, K28
Configuration Management for Software (DAU:CON101)	ALMC/DAU	FC	2	1 week	K22
Contracting Administration (APRM 799M)	GSA	FC	2	1 week	K3, K11
Data Base IV Intermediate Application Development (BCOMP 809M)	GSA	FC	2	2 days	K17
Data Processing Concepts for Support and Administrative Staff	GSA	FC	2	3 days	K24
Digital Transmissions Principles (TEXT)	AT&T	SS	3	3 days	K15
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS SELF-STUDY</b>			

**MASTER INTERN TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-09 level (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Federal EEO Affirmative Employment Program Planning	GSA	FC	2	2 days	K18
Functional Economic Analysis	IRMC/ALMC	FC	2	3 days	K4
Functional Process Improvement Introduction	IRMC	FC	2	1 day	K21
IDEF Modeling	IRMC	FC	2	4 days	K7, K10, K21
Informix—SQL for Programmers	Local	FC	2	1 week	K17, K25
ISDN (DC 2250)	AT&T	FC	2	2 days	K15, K16
Introduction to Defense Financial Management Course (ALMC 61-2)	ALMC	SS	2	1 week	K5, K11, K20, K23
Introduction to IBM ISPF (BCOMP 717M)	GSA	FC	2	3 days	K29
Introduction to Multi-Media (BCOMP 909M)	GSA	FC	2	2 days	K12
LAN Operating Systems Network (BCOMP 952M)	GSA/Local	FC	2	2 days	K14, K15, K29
<b>TYPE:</b>	<b>FC</b>	<b>FORMAL CLASSROOM</b>	<b>SS</b>	<b>SELF STUDY</b>	

**MASTER INTERN TRAINING PLAN  
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**Computer Specialist  
GS-09 level (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Local Area Network Concepts (BCOMP 951M)	GSA	FC	2	3 days	K15
Modern Data Communication (DC 1115)	AT&T	FC	2	3 days	K15
Principles and Practices Broadband Networks (DC 2247)	AT&T	FC	3	2 days	K15
Security in Software Application (BSRTY 809M)	GSA	FC	2	1 day	K2, K28
Survey of Artificial Intelligence and AI (BCOMP 790M)	GSA	FC	2	3 days	K24
T-Carrier and Digital Services (DC 1790)	AT&T	FC	2	3 days	K15
TCP/IP for UNIX Applications (DC2245)	AT&T	FC	3	2 days	K14, K15, K29
The Federal Budget Process 23AP	OPM	FC	2	2 days	K20, K23
Total Quality Management Principles	ALMC/SDC-L	FC	2	1 day	K9
UNIX Fundamentals (7E-748/150-F20)	CSS	FC	2	1 week	K29
UNIX System V/386 Administration (BCOMP 892M)	GSA	FC	2	1 week	K13, K14, K29
Using the Federal Personnel Manual (22 AI)	OPM	FC	2	2 days	K19
<b>TYPE:</b>	<b>FC</b>	<b>FORMAL CLASSROOM</b>			

**MASTER TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-11 and GS-12 levels**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Activity Based Costing Introduction	DAU	FC	2	1 day	K4
Activity Based Costing Principles	USDA	FC	2	2 days	K4
Contracting Officer's Representative (ALMC-LL)	ALMC	FC	2	1 week	K3
Creating Multi-Media Applications (BCOMP 993M)	GSA	FC	2	3 days	K12
Computer Network Design (DT 6205)	AT&T	FC	3	3 days	K14, K15, K29
Data Link Protocols (DC 7120)	AT&T	FC	3	2 days	K14, K15
Defense Specification Course (SPE 102)	ALMC	FC	2	1 week	K7
FDDI: Standards, Markets and Trends (DC 3751)	AT&T	FC	3	1 day	K14, K15
Financial Planning and Control Techniques (7D-F7)	TBD	FC	2	1 week	K4, K5
GOSIP (DC 3839)	AT&T	FC	3	1 day	K14, K29
High Speed Networking (DC 2115)	AT&T	FC	3	3 days	K15
Information Managers Seminar	TBD	FC	2	1 week	K1, K5
Information Requirements	TBD	FC	2	1 week	K1, K5
Intermediate Quality Assurance Course (QUA 201)	ALMC	FC	2	1 week	K9
<b>TYPE:</b>	<b>FC</b>	<b>FORMAL CLASSROOM</b>	<b>TBD</b>	<b>TO BE DETERMINED</b>	

**MASTER TRAINING PLAN  
334 Series**

**Computer Specialist  
GS-11 and GS-12 levels (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Introduction to Training Development (22-LA)	OPM	FC	2	3 days	K6
Local Area Network Administration (BCOMP 956M)	GSA	FC	2	1 week	K15
Local Area Network Administration and Management	CSS	FC	2		K15
Managing a Multicultural Workforce (22 UE)	OPM	FC	2	3 days	K18
Modems and Facilities (DC 7120)	AT&T	FC	3	1 week	K15
Object-Oriented Methodologies (BCOMP 874M)	GSA	FC	3	1 week	K7, K25
Quality Management Tools and Problem-Solving Skills	USDA	FC	2	3 days	K9
Project Management	USDA	FC	2	4 days	K4, K5, K11
Project Planning and Control Techniques	TBD	FC	2	2 weeks	K4, K5, K11
Reliability and Maintainability Overview (DAU: LOG203)	DAU	FC	2	3 weeks	K9
Reliability and Maintainability Testing	DAU	FC	2	2 weeks	K9
<b>TYPE:</b>	<b>FC</b>	<b>FORMAL CLASSROOM</b>	<b>TBD</b>	<b>TO BE DETERMINED</b>	

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**Computer Specialist  
GS-11 and GS-12 levels (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Research, Development and Evaluation (RDTE) Course (ALMC-72)	ALMC	SS	2	1 week	K5, K9, K11
Software Engineering Fundamentals (7E-F47/150-F19)	CSS	FC	2	2 weeks	K7, K10
Structured Programming in ADA	CSS	FC	2	2 weeks	K34
Technical Data Package Development/Preparation	CSS or local	FC	2	2 weeks	K3, K8, K11
Terminals and Protocols (DC 7125)	AT&T	FC	3	1 week	K15
TCP/IP (BCOMP 954M)	GSA	FC	2	2 days	K15
Telecommunications Network Fundamentals (SE 1100)	AT&T	FC	3	3 days	K15
Troubleshooting and Maintaining the IBM PC286, 386, 486 and Compatible	GSA	FC	2	2 days	K13, K12
UNIX Systems Programming (7E-F50/150-F21)	CSS	FC	2	3 weeks	K14
<b>TYPE:</b>	<b>SS SELF STUDY</b>	<b>FC FORMAL CLASSROOM</b>			

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**Computer Specialist  
GS-13 level**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Fundamentals of Systems Acquisition Management	DAU	FC	2	9 days	K1, K4, K5, K9, K11
Activity and Data Modeling (IDEF) (7E-F52/150-F23)	CSS	FC	2	1 week	K7, K21
Advanced C Programming	USDA	FC	3	1 week	K25
Applied Data Base Programming (7E-F51/150-F22)	CSS	FC	2	1 week	K17, K25
Artificial Intelligence Concepts and Tools (FE-F36/150-F10)	CSS	FC	2	2 weeks	K13, K25, K27, K35
Asynchronous Transfer Mode (ATM) Technology and Applications (GC 3410)	AT&T	FC	2	2 days	K15
Branch Automation Officer (7E-S14H/7E-F40)	CSS	FC	2	8 weeks	K2, K7, K10, K12, K13, K14, K15, K21, K25
Business Process Reengineering	GSA	FC	2	3 days	K21
CADCAM Systems for Managers	Local	FC	2	3 days	K7, K25
Capabilities And Applications of System Peripherals and IT Equipment	Local/college	SS	3	Various	K24
Computer Security for End Users (BSRTY 805M)	GSA	FC	2	1 day	K2
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS SELF STUDY</b>			

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**Computer Specialist  
GS-13 level (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Computer Software Applications (QMT 185)	AFIT	FC	2	2 weeks	K7, K10, K12, K13
Configuration Management (LOG204)	DAU	FC	2	4 days	K22
Data Base Management System	College/vendors	FC/SS	2	Variable	K17
Data Networking and ATM (DC 2005)	AT&T	FC	2	1 day	K15
dBASE IV: Advanced Programming (BCOMP 812M)	GSA	FC	2	2 days	K17
Defense Data Management (SYS-370)	AFIT	FC	2	1 week	K3, K4, K8, K11, K16
Digital Transmission Fundamentals (TR 3020)	AT&T	FC	3	1 day	K15
Economic Analysis Applications ( BCE-207)	DAU	FC	2	1 week	K4
Functional Process Improvement Fundamentals	IRMC	FC	2	3 days	K10, K21
Informix—ESQL for Programmers	Local	FC	2	4 days	K17
Instructional Design (22LU)	OPM	FC	2	1 week	K6
Intermediate Contractor Performance Management (DSMC 203)	DSMC	FC	2	2 weeks	K3, K11
Intermediate Systems Acquisition (PMT 201)	DSMC	FC	2	4 weeks	K1, K4, K5, K11
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS SELF STUDY</b>			

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GS-13 level (Continued)**

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Introduction to Software Acquisition (DSMC 36)	DSMC	FC	2	1 week	K3, K4, K5, K8, K10, K11
ISO 9000 for Defense Acquisition Contracts	ALMC, DAU	FC	2	3 days	K9
Management of Software Acquisition (DSMC-10)	DSMC	FC	2	1 week	K3, K4, K5, K8, K10, K11
Modeling and Simulation and Metrics	Local college	SS/FC	2	Variable	K26, K27
Open Systems Security (DC 2830)	AT&T	FC	3	2 days	K2, K29
Operating Systems for Main/Mini/Micro Computers	Local college or vendors	SS	2	Variable	K29
OSI Networks/Transparent Layers (DC 3234)	AT&T	FC	3	2 days	K15, K28, K29
OSI Upper Layers and Related Products (DC 3235)	AT&T	FC	3	2 days	K15, K28, K29
Overview: LAN Bridges, Routers, and Gateways	GSA	FC	2	2 days	K15
Planning, Programming, Budgeting, and Execution System (7D-45A/541-F13)	Finance School	FC	2	1 week	K5, K20
POSIX	Local college or vendors	SS	2	Variable	K28
Principles of Cost Analysis (QMT-175)	AFIT	FC	2	2 weeks	K4
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GS-13 level (Continued)**

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Quality Assurance for Commercial Activities (AMEC 196)	DAU	FC	2	4 days	K9
Source Selection	GSA	FC	2	1 week	K1, K3, K11
Survey of Cost/Schedule Control System (SYS-361)	AFIT	FC	2	3 days	K3, K4, K11
System Acquisition Funds Management (BCF 201)	DAU	FC	2	5 days	K20
Total Quality Management for Managers	GSA	FC	2	1 week	K1, K9
UNIX Operating Systems	Local college or vendors	SS	2	Variable	K28, K29
UNIX Systems Administration (7E-F49/150-F15)	CSS	FC	2	2 weeks	K28, K29
X.25.BX.25 Network Architecture (DC 7170)	AT&T	FC	3	4 days	K15
X.25/BX.25 for the UNIX System	AT&T	FC	3	2 days	K15
<b>TYPE:</b>	<b>FC FORMAL CLASSROOM</b>	<b>SS SELF STUDY</b>			

**MASTER TRAINING PLAN  
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**Computer Specialist  
GS-14 and GS-15 levels**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Application of Artificial Intelligence	CSS	FC	3	4 weeks	K25
Appropriation Law Seminar (23 AU)	OPM	FC	2	3 days	K1, K3, K5, K11
Basic Instructional Techniques (22LF)	OPM	FC	2	1 week	K6
Benchmarking		FC	2	2 days	K10, K13
Budget Execution (23BM)	OPM	FC	2	1 week	K1, K2, K4, K5, K11, K20
Classifying Computer Related Positions (22JF)	OPM	FC	2	2 days	K19
Complying with ISO 9000 Standards for Software (MF 3426)	AT&T	FC	2	2 days	K9
Computer File Structure Database Design (BCOMP 706M)	GSA	FC	2	1 week	K17
Contracting by Negotiation	GSA	FC	2	1 week	K3, K4, K11
Economic Analysis for Decision Making	DAU	FC	2	2 weeks	K4
Evaluation of Defense Contractor's Work Measurement Systems	DAU	FC	2	2 weeks	K1, K3, K4, K5, K11, K23
Federal Sector Marketing	DAU	FC	2	3 days	K23

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**MASTER TRAINING PLAN  
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**Computer Specialist  
GS-14 and GS-15 levels (Continued)**

<b>COURSE TITLE</b>	<b>TRAINING SOURCE</b>	<b>TYPE</b>	<b>PRIORITY</b>	<b>COURSE LENGTH</b>	<b>KSAs ACQUIRED</b>
Information Technology Overview	CSS	FC	2	3 days	K1
Local Area Network Administration and User Planning (BCOMP 956M)	GSA	FC	2	1 week	K16, K17, K18, K20
Management Functions and Techniques (36JC)	OPM	FC	2	1 week	K6
Principles and Applications of Value Engineering		FC	2	1 week	K7, K10, K25
Reliability and Maintainability (RAM) Requirements	ALMC	FC	2	2 weeks	K7, K9, K10
Resource Management for Information Managers	IRMC	FC	2	3 days	K20, K23
Software Analyst (532-74F10)	CSS	FC	2	10 weeks	K13, K14, K15, K16, K17, K18
Strategic Information Planning	IRMC	FC	2	3 days	K1, K10
System Engineering	IRMC	FC	2	2 weeks	K7, K9, K10, K25
Total Quality Management for Executives	IRMC	FC	2	2 days	K9, K10
<b>TYPE:</b>	<b>FC</b>	<b>FORMAL CLASSROOM</b>			