

Progress Record

Study your lessons in the order listed below. As graded examinations are returned to you, enter your grade in the space below. Set a schedule for yourself then watch your progress.

Course 22 (R) – Associate in Applied Science in Software Engineering

Number of Lessons: 184. Completion Time: 48 months

Seq.		Lesson #	Lesson Title	Date	Grade
Introduction to Computers (CORE COURSE)					
1	M-110	6901A	An Overview of Computer Concepts		
2		6902A	Software Applications: User Tools		
3		6903A	The System Unit		
4		6904A	Input and Output		
5		6905A	Data Storage		
6		6906A	Communications and Networks		
7		6907A	The Internet and the World Wide Web		
8		6908A	Operating Systems and System Software		
Operating Systems --Microsoft Windows XP (CORE COURSE)					
9	M-230	6850C	Exploring the Basics		
10		6852C	Working with Files		
11		6854C	Organizing Files with Windows Explorer		
12		6856C	Personalizing Your Windows Environment		
13		6858C	Searching for Information		
14		6860C	Working with Graphics		
15		6862C	Object Linking and Embedding		
16		6864C	Exploring Your Network		
17		6866C	Managing Windows XP		
18		6868C	Working with Hardware		
Technical Writing I & II (CORE COURSE)					
19	F-710	8000	Overview of Reports: Your Options		
20		8002	The Memo: Handling Frequent Writing Tasks		
21		8004	Outlining the Short Report: A Planning Formula		
22		8006	Audience Analysis: Remembering the Reader		
23		8007	Researching the Internet		
24		8008	The Discussion: Report Designs That Succeed		
25		8010	Graphics: Adding Information and Interest Visually		
26		8012	Research and Resources: Gathering and Using Info		
27		8014	Putting It All Together: A Short Report		
28		8014P	Writing Assignment for Lesson 8014-A Short Report		
29		8016	Design Standards for Writing: Grammar That Works		
30		8017	Resume/Cover Letter		
31		8017P	Writing Assignment for 8017		
32		8018	Debugging the Report: Editing		
33		8020	Business Letters		

Seq.		Lesson #	Lesson Title	Date	Grade
Technical Writing I & II					
34		8020P	Writing Assignment for Lesson 8020 – A Business Letter		
35		8022	The Formal Report		
36		8024	Investigation Reports		
37		8024P	Writing Assignment for Lesson 8024 – An Investigation Report		
38		8026	Project and Progress Reports		
39		8026P	Writing Assignment for Lesson 8026 – Project		
40		8028	Proposals: Presenting the Evidence		
41		8030	Written & Oral Presentations		
42		8032	Research Paper		
Applied Ethics (ELECTIVE COURSE)					
43	M-120	9501	An Overview of Ethics		
44		9502	Ethics for IT Professionals and IT Users		
45		9503	Computer and Internet Crime		
46		9504	Privacy		
47		9505	Freedom of Expression		
48		9506	Intellectual Property		
49		9507	Software Development		
50		9508	Employer/Employee Issues		
51		9509	The Impact of Information Technology on the Quality of Life		
52		9510	Proctored Examination		
Introduction to the Internet and WWW (CORE COURSE)					
53	M-430	6971B	Navigating the Web with Internet Explorer		
54		6972B	Finding What's Out There		
55		6973B	Corresponding with Outlook Express		
56		6974B	Creating a Web Page		
57		6975B	Adding Hypertext Links to a Web Page		
58		6976B	Designing a Web Page		
59		6981B	Designing a Web Page with Tables		
60		6982B	Using Frames in a Web Page		
61		6983B	Developing Web Pages with FrontPage Express		
62		6984B	Creating a Hypertext Document with FrontPage Express		
Algebra and Trigonometry I (CORE COURSE)					
63	F-121	5110	Solving Linear Equations		
64		5112	Algebraic Signs and Exponents		
65		5115	Algebraic Fractions		
66		5116	Applied Fractional Equations		
67		5118	Coordinates and Angle Functions		
68		5119	Applications of Trigonometric Functions		
69		5155	Analytical Geometry – First Degree Equations		
70		5122	Exponents, Radicals and Complex Numbers		

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Software Development Life Span (CORE COURSE)					
71	M-260	9551	Why Software Engineering		
72		9552	Modeling the Process and Life-Cycle		
73		9553	Capturing the Requirements		
74		9554	Considering Objects		
75		9555	Testing the Programs		
76		9556	Delivering the System		
77		9557	Evaluating Products, Processes and Resources		
78		9558	Improving Predictions, Products, Processes and Resources		
79		9559	The Future of Software Engineering		
80		9550A	Proctored Examination		
Introduction to Sociology (This course can be replaced with Psychology listed below.)					
81	F-850	3631	Understanding Sociology and Sociological Research		
82		3632	Culture, Socialization, Social Interaction and Social Structure		
83		3633	Groups, Organizations, Deviance and Social Control		
84		3634	Global Inequality, Racial and Ethnic Inequality		
85		3635	Gender and Age		
86		3636	Religion and Education		
87		3637	Government Policies, the Economy and Work		
88		3638	Communities, Urbanization, Population and the Environment		
89		3639	Collective Behavior and Social Movements		
Psychology (ELECTIVE COURSE)					
Can be substituted for Introduction to Sociology.					
**	F-800	3521	Introduction to Psychology and Behavior		
**		3522	Sensation and Perception		
**		3523	States of Consciousness		
**		3524	Learning and Memory		
**		3525	Intelligence, Cognition and Learning		
**		3526	Personality, Motivation and Emotion		
**		3527	Development		
**		3528	Psychological Disorders and Treatment		
**		3529	Social Psychology		
Algebra and Trigonometry II (CORE COURSE)					
90	F-122	5140	Quadratic Equations and Systems		
91		5142	Higher Order Equations		
92		5125	Systems of Linear Equations		
93		5146	Trigonometric Equations and Identities		
94		5150	Theory of Logarithms and Series		
95		5631	Practical Matrix Theory for Engineers		
96		3126	Natural Logarithms		

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Technical Physics (CORE COURSE)					
97	F-241	5203	Basic Physics		
98		5204	Physics of Mechanics		
99		5801	Static Magnetic Field Theory		
100		5665	Electric Field Physics		
101		5802	Magnetic Currents		
102		5803	Optics and Heat		
Introduction to Microsoft (CORE COURSE)					
103	M910	6911	Word Project 1		
104		6912	Word Project 2		
105		6913	Word Project 3		
106		6914	Access Project 1		
107		6915	Access Project 2		
108		6916	Access Project 3		
109		6917	Excel Project 1		
110		6918	Excel Project 2		
111		6919	Excel Project 3		
112		6920	PowerPoint Project 1		
113		6921	PowerPoint Project 2		
114	6922	PowerPoint Project 3			
Database Management (CORE COURSE)					
115	M-440	4401C	Introduction to Database Management		
116		4402C	The Relational Model 1:Introduction, QBE, and Relational Algebra		
117		4403C	The Relational Model 2: SQL		
118		4404C	The Relational Model 3: Advanced Topics		
119		4405C	Database Design 1: Normalization		
120		4406C	Database Design 2: Design Methodology		
121		4407C	DBMS Functions		
122		4408C	Database Administration		
123		4409C	Database Management Approaches		
124		9440C	Proctored Examination		

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JavaScript (CORE COURSE)					
125	M-280	2801	Introducing JavaScript		
126		2802	JavaScript Project 1		
127		2803	JavaScript Project 2		
128		2804	JavaScript Project 3		
129		2805	JavaScript Project 4		
130		2806	JavaScript Project 5		
131		2807	JavaScript Project 6		
132		2808	JavaScript Project 7		
133		2809	JavaScript Project 8		
134		2810	Proctored Examination		
Visual Basic Programming (CORE COURSE)					
135	M-450	9701	Introduction to VB Programming		
136		9702	VB Project 1		
137		9703	VB Project 2		
138		9704	VB Project 3		
139		9705	VB Project 4		
140		9706	VB Project 5		
141		9707	VB Project 6		
142		9708	VB Project 7		
143		9709	VB Project 8		
144		9710	Proctored Examination		
C++ Programming (C++ can be substituted with C# listed below.)					
145	M-620	6201C	Types, Variables and Standard I/O		
146		6202C	Truth, Branching and the Game Loop		
147		6203C	For Loops, Strings and Arrays		
148		6204C	The Standard Template Library		
149		6205C	Functions		
150		6206C	References		
151		6207C	Pointers		
152		6208C	Classes		
153		6209C	Advanced Classes and Dynamic Memory		
154		6210C	Inheritance and Polymorphism		
C# Programming (ELECTIVE SUBSTITUTE FOR C++)					
**	M-610	6871	OOP and Creating a Simple Application		
**		6873	Manipulating and Storing Data in Objects		
**		6875	Program Flow Decisions and Exceptions		
**		6877	Adding Methods to Objects		
**		6879	Program Loops		
**		6881	Arrays and Collections		
**		6883	Encapsulation		
**		6885	User Interface Objects		
**		6887	Data Files and Persistence		
**		6889	Inheritance and Polymorphism		

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Database Development (CORE COURSE)					
155	M-480	9601	General Concepts		
156		9602	Queries		
157		9603	Transportation Database		
158		9604	RC Models		
159		9605	AviaCo		
160		9606	ABC Car Service		
161		9607	Query Outputs		
162		9608	DDBMS Scenario		
163		9609	Excel Connectivity		
164		9610	Proctored Examination		
Java Programming (CORE COURSE)					
165	M-940	6940	Introduction to Computers, the Internet and WWW		
166		6942	Introduction to Java Applications		
167		6944	Introduction to Classes and Objects		
168		6946	Control Statements, Part 1		
169		6948	Control Statements, Part 2		
170		6950	Methods: A Deeper Look		
171		6952	Arrays		
172		6954	Classes and Objects: A Deeper Look		
173		6956	Object Oriented Programming: Inheritance		
174		6958	Programming Files		
Career Management (CORE COURSE)					
175	F-250	9801	Career Development		
176		9802	Job Searching		
177		9803	Creating an Effective Cover Letter		
178		9804	Resume Writing		
179		9805	Creating an Effective Portfolio		
180		9806	Preparing A Video Presentation		
181		9807	Creating an Effective Interview		
182		9808	Career Development for Job Advancement		
183		9809	Obtaining a Promotions		
184		9810	Certifications or Advanced Degrees		