



(Certificate)

# Programming Specialist

ICCB Code: C 011G

Required Courses						
<b>First Semester</b>	Lec	Lab	Cr	RCC	Sem/Yr	Transfer
CS 105 Foundations of Information Technology	2	2	3			
IT 116 Windows Client Operating Systems	2	2	3			
IT 131 Programming Logic	2	2	3			
Subtotals	6	6	9			
<b>Second Semester</b>	Lec	Lab	Cr			
CS 161 Cobol Programming	3	2	4			
CS 251 Object-Oriented Programming	3	2	4			
IT 153 Web Development	2	2	3			
IT 221 Database Design	2	2	3			
Subtotals	10	8	14			
<b>Third Semester</b>	Lec	Lab	Cr			
CS 230 Event-Driven Programming (formerly IT 132)	2	2	3			
CS 281 Advanced Object-Oriented Programming	3	2	4			
IT 222 Structured Query Language	2	2	3			
IT 282 Dynamic Web Development	2	2	3			
Subtotals	9	8	13			
<b>Fourth Semester</b>	Lec	Lab	Cr			
IT 280 Advanced Systems Development	3	2	4			
IT 284 Web Programming	2	2	3			
IT 285 Systems Analysis & Design	2	4	4			
IT 290 Work Experience Practicum & Seminar (or IT 295 or IT 297)	1	10	3			
Subtotals	8	18	14			
<b>Program Total 50</b>						

Other Graduation Requirements:  
2.00 (C) Grade Point Average for all courses at RCC

Comments: \_\_\_\_\_  
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