Westchester Community College
State University of New York

Certificate: Computer Programming

Curriculum Chair: Prof. Steven Miller TECH-117 Tel # (914) 606-6274 Email: Steven.Miller@sunywcc.edu
Academic Dean: Dr. Raymond Houston TECH-106 Tel # (914) 606-6789 Email: Raymond.Houston@sunywcc.edu

	Developmental Courses as required based on placement scores
☐	**ENG 91** Writing for College 1 – Score of 4 E Code 1 and below, **30.01**
☐	**ENG 92** Writing for College 2 – Score of 6 E Code 2, **30.02**
☐	**ENG 99** Writing Studio with linked ENG 101+ - Score of 6 E Code 2, **30.02** OR successful completion of ENG 91
☐	**ESL 94** Academic Writing 1 – Score of 5 or 6 E Code 6, **20.01**
3☐	**ESL 122** Academic Writing 2 – Score of 7 E Code 7, **21.01**
☐	**MATH 92** Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below, **40.01**
OR ☐	**MATH 93** Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below, **40.02**
	MATH 94 Foundations of Mathematical Reasoning – Arithmetic score 45 and above, Elementary Algebra 54 and below, **40.02**
☐	**READ 93** Foundation of College Reading – Score of 57 and below, **10.01**
3☐	**READ 105** Analytical Reading – Score of 58 and higher **11.01**

	Program of Study
3☐	**COMSC 110**[1] – Computer Programming 2: **COMSC 101 with a grade of "C" or higher is the prerequisite**
3☐	**COMSC 116** – LINUX Operating System: **COMSC 101 with a grade of "C" or higher is the prerequisite.**
3☐	**COMSC 201A** – Data Structures: **COMSC 101 with a grade of "C" or higher is the prerequisite. OR**
	COMSC 214A – Web Programming: **COMSC 110 with a grade of "C" or higher is the prerequisite.**
3☐	**COMSC 207** – Java Programming: **COMSC 110 with a grade of "C" or higher is the prerequisite.**
3☐	**COMSC 208A** – GUI Development: **COMSC 207 with a grade of "C" or higher is the prerequisite.**

SEEN BY: **Completed credits**   **of 17 required**

The Computer Programming certificate is designed to enable working professionals to upgrade their programming skills or make a career change. Recipients of this certificate will develop the critical thinking skills integral to computer programming, including problem analysis, solutions design and program testing, in different up-to-date programming languages. The certificate is also appropriate for students who are studying (or who have earned degrees) in other academic disciplines such as Networking, Business, Computer Information Systems, Computer Graphics, Mathematics and Science. Courses involve programming in different languages such as C++, Java and C#.

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[1] Students must complete **COMSC 101 Computer Programming I** in order to take the first semester courses for this certificate. See the co-requisite and prerequisite for this course below. Speak to the curriculum chair for more information.

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Academic Plan		Completed credits		of 17 required	
		Fall/Spring		**Fall/Spring**	
Class	**Credits**	**Class**	**Credits**	**Class**	**Credits**
Fall/Spring		**Fall/Spring**			
Class	**Credits**	**Class**	**Credits**	**Class**	**Credits**

September 27, 2018 AG