

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Computer Software Tester
Certificate of Achievement

Curriculum Code: 1633 (Effective Fall 2014 – Summer 2019)

Software Testing, or Software Quality Assurance, is one of many essential jobs in the computing industry. Companies need people to create software programs or applications as well as professionals to discover defects in these applications. Software testers must be knowledgeable about computers and their usage to meet the goals of the organization. They are familiar with programming and how software is put together. Knowledge of testing principles, such as test planning, test case design and implementation, test documentation, and the use of automated testing software are necessary. Soft skills are also essential to work effectively as a member of an organizational team.

PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

INFORMATION

Contact the Computer Information Technologies Program, West Campus Building, Room M103, telephone number (517) 267-6406 (Website: www.lcc.edu/cit/programming/) or Academic Advising Department, Gannon Building, Room 200, telephone number (517) 483-1904.

REQUIREMENTS

CODE	TITLE	TOTAL: 26 CREDITS CREDIT HOURS
CITF 110	Intro Computer Info Systems	3
CITF 240	IT Project Management	3
CITF 260	Systems Analysis and Design	4
CITP 110	Intro to Computer Programming	4
CITP 140	Software Testing	3
CITP 240	Advanced Software Testing	3
CITW 150	Internet Literacy	3
SPCH 110	Oral Comm in the Workplace	3

LIMITED CHOICE REQUIREMENTS

Complete the indicated number of credits from **EACH CHOICE** listed below.

TOTAL: 7 CREDITS

CHOICE 1: Writing

3 Credits

WRIT 124	Technical Writing	3
WRIT 127	Business Writing	3

CHOICE 2: Programming

4 Credits

CITP 150	Intro to VB.NET Programming	4
CITP 180	Intro to C#.NET Programming	4
CITP 190	Intro to Programming in Java	4

MINIMUM TOTAL

33

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

I	II
CITF 110	CITF 240
CITP 110	CITF 260
CITP 140	CITP 240
SPCH 110	CITW 150
Lim.Ch.1	Lim.Ch.2