

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Computer Software Tester
Certificate of Achievement

Curriculum Code: 1633 (Effective Fall 2016 – Summer 2021)

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. Students completing this certificate may use the credits towards the Computer Programmer/Analyst Associate in Business Degree (0113).

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 – StarZone, telephone number (517) 483-1904.

REQUIREMENTS

| REQUIREMENTS | | TOTAL: 26 CREDITS |
|--------------|-------------------------------|-------------------|
| CODE | TITLE | 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**TOTAL: 7 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**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