



Western Technical College

## 10102218 Solution Testing and Training

### Course Outcome Summary

#### Course Information

<b>Description</b>	Students will assess organizational readiness by facilitating testing and training of the solution. Emphasis will be placed on test plan creation, execution, and facilitation; as well as the development of training plans.
<b>Career Cluster</b>	Business Management and Administration
<b>Instructional Level</b>	Associate Degree Courses
<b>Total Credits</b>	2
<b>Total Hours</b>	36

#### Pre/Corequisites

Pre/Corequisite 10102216 Data Integration & Prioritization

#### Textbooks

*Business Analysis and Leadership*. Copyright 2013. Pullan, Penny and James Archer. Publisher: Kogan Page Ltd. **ISBN-13:** 978-0-7494-6862-0. Required.

*Seven Steps to Mastering Business Analysis*. 2nd Edition. Copyright 2020. Champagne, Jamie. Publisher: J. Ross Publishing, Inc. **ISBN-13:** 978-1-60427-160-7. Required.

*PMI Guide to Business Analysis*. Copyright 2017. Project Management Institute. Publisher: Independent Publishers Groups. **ISBN-13:** 978-1-62825-198-2. Optional.

#### Success Abilities

1. Cultivate Passion: Expand a Growth-Mindset

2. Live Responsibly: Foster Accountability

## Program Outcomes

1. Perform elicitation, validation, and analysis of requirements to meet a business need
2. Build relationships with stakeholders
3. Demonstrate leadership throughout business analysis efforts
4. Demonstrate professional communication in a business environment

## Course Competencies

### 1. Explain the testing process.

#### Assessment Strategies

- 1.1. Reflection

#### Criteria

*You will know you are successful when*

- 1.1. you explain why testing is important.
- 1.2. you explain the importance of creating a test plan prior to testing.
- 1.3. you explain how to engage with stakeholders throughout the testing process.

#### Learning Objectives

- 1.a. Explore potential components of the testing process.
- 1.b. Determine stakeholder involvement throughout stages of the testing process.
- 1.c. Explore defect identification and mitigation.

### 2. Explain the Business Analyst's role in the testing process.

#### Assessment Strategies

- 2.1. Reflection

#### Criteria

*You will know you are successful when*

- 2.1. you reflect on your strengths in the testing process.
- 2.2. you reflect on opportunities for you to grow in the testing process.

#### Learning Objectives

- 2.a. Explore training components of the testing process.
- 2.b. Investigate the process for defect mitigation.
- 2.c. Explore communication methods during the testing process.

### 3. Explore test plans.

#### Assessment Strategies

- 3.1. Reflection

#### Criteria

*You will know you are successful when*

- 3.1. you identify gaps in test case criteria.

#### Learning Objectives

- 3.a. Examine components of a test plan.
- 3.b. Explore test case criteria.
- 3.c. Investigate skills that make a tester effective.

### 4. Explore test plan execution.

#### Assessment Strategies

- 4.1. Reflection

## Criteria

*You will know you are successful when*

- 4.1. you practice executing test cases.
- 4.2. you document test case results.

## Learning Objectives

- 4.a. Examine how to execute a test plan.
- 4.b. Practice documenting test results.
- 4.c. Explore positive testing.
- 4.d. Explore negative testing.

## 5. Determine organizational readiness.

### Assessment Strategies

- 5.1. Reflection

## Criteria

*You will know you are successful when*

- 5.1. you explain how to determine whether the organization is ready to implement the solution.

## Learning Objectives

- 5.a. Examine characteristics of organizational readiness.
- 5.b. Determine how to handle unresolved defects.
- 5.c. Discuss how to approach uncertainty.

## 6. Ensure effective testing and training facilitation.

### Assessment Strategies

- 6.1. Reflection

## Criteria

*You will know you are successful when*

- 6.1. you determine how to manage stakeholder concerns.
- 6.2. you characterize leadership qualities conducive to effective facilitation.
- 6.3. you outline testing and training facilitation.

## Learning Objectives

- 6.a. Summarize potential stakeholder concerns.
- 6.b. Relate necessary leadership characteristics.
- 6.c. Identify essential testing and training facilitation skills.