

WASHTENAW COMMUNITY COLLEGE

PROGRAM ASSESSMENT REPORT

Program Code CTLUX	Name Linux/UNIX Systems	
Division BCT	Department CSIT	
Award <input type="checkbox"/> A.A. <input type="checkbox"/> A.S. <input type="checkbox"/> A.A.S.		
<input checked="" type="checkbox"/> Cert. <input type="checkbox"/> Adv. Cert. <input type="checkbox"/> Post-Assoc. Cert. <input type="checkbox"/> Cert. of Completion		

I. Review previous assessment reports submitted for this program and provide the following information.

1. Was this program previously assessed and if so, when?

No

2. Briefly describe the results of previous assessment report(s).

NA

3. Briefly describe the Action Plan/Intended Changes from the previous report(s), when and how changes were implemented.

NA

II. Background Information

1. Indicate the semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
2016, 2017	2016, 2018	

2. Assessment tool(s) used (check all that apply):

- Portfolio
- Standardized test
- Other external certification/licensure exam (please describe): _____
- Graduate Survey
- Employer Survey
- Advisory Committee Survey
- Transfer follow-up
- Externally evaluated performance or exhibit
- Externally evaluation of job performance (internship, co-op, placement, other)
- Capstone experience (please describe): Performance in our two capstone classes.
- Other (please describe): Course Exercises and Practical Exams

3. Have any of these tools been used before?

- Yes (if yes, identify the tool below and describe any changes made since it was last administered)
- No

Changes:

--

4. Indicate the number of students assessed/total number of students enrolled in the course(s)/program.

All students in each section. Number varies.	
--	--

5. Describe how you selected students for the assessment.

a. Describe your sampling method.

b. Describe the population assessed (e.g. students in capstone course, graduating students, alumni).

All students taking the courses in the program were included.

III. Results

1. State every outcome (verbatim) from the Program Assessment Planning or Program Proposal form for the program. *Add more lines as needed.*

1. Create moderately complex bash shell scripts (CIS 221).
2. Identify and apply intermediate system administration skills (CIS 206).
3. Set up network configurations using Linux utilities (CIS 208).

2. Briefly describe assessment results based on data collected during the program assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. **Please attach a summary of the data collected (as a separate document).** *Add more lines as needed.*

1. Used a set of moderately challenging exercises. Looked at results of students who completed the course. Three semesters of data. 21 students. 17 (81 %) of the students scored 75% or higher.
2. Used data from one section of CIS 206, which covers intermediate administration skills. (Not CIS 208, as written in on the Assessment Planning Form.) Used the practical exam which was created in 2017. The course has not been offered since. 10 students took the practical exam. 80% passed with a score of 75% or higher. (All students who passed were actually 85% or higher.)
3. Used composite data from the most recent section of CIS 208 which did not use a practical final. (Winter 2018) Of the 11 students in the class, 9 score 75% or above.

3. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. **Please attach the rubric/scoring guide used for the assessment (as a separate document).** *Add more lines as needed.*

1. The target was 70% of the students should achieve a 75% of higher. 81% were 75% or higher. The goal was achieved.
2. The target was 70% of the students should achieve a 75% of higher. 80% were 75% or higher. The goal was achieved.
3. The target was 70% of the students should achieve a 75% of higher. 81% were 75% or higher. The goal was achieved.

4. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths:

Students met the goals.

Weaknesses:

None shown with this data. However, we are aware of several pain points that are being addressed, revealed during the semester by the questions students ask and/or their performance on the coursework.

IV. Changes influenced by assessment results

1. Based on the previous assessment report Action Plan(s) identified in Section I above, please discuss how effective any changes were in improving student learning.

NA

2. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses. If students met all expectations, describe your plan for continuous improvement.

Continue to assess our students' outcomes in each area and work to improve student performance in all areas. Of course, updating of material is always required as the technology changes.

3. Identify any other intended changes that will be instituted based on results of this assessment activity. Describe changes and give rationale for change. (Check all that apply).

a. Outcomes/assessments from Program Assessment Planning or Program Proposal form:

b. Program Curriculum:

Course sequencing

Course deletion

Course addition

Changes to existing program courses (specify):

Other (specify):

c. Other (specify): Updated practical exams for each course.

4. What is the timeline for implementing these actions?

Next time course is offered.

V. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this program.

Appear to be effective. Need to add a practical exam to CIS 208.

2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

Adding new/updated practical exams.

Submitted by:

Name: Philip Geyer *Philip Geyer* Date: 1-6-2020
Print/Signature

Department Chair: Khaled Mansour *Khaled Mansour* Date: 1-6-2020
Print/Signature

Dean: Eva Samulski *Eva Samulski* Date: 1-7-20
Print/Signature

Please return completed form to the Office of Curriculum & Assessment, SC 257.