

5-Year Plan for Assessment of Program Learning Outcomes

AA/AS Degree

I. Program Information

Division:

Division of Business and Information Technology

Name of Program:

Computer Science - Computer Science Software Development Transferring to OU - AS
Computer Science – Computer Science Option Transferring to UCO and colleges with Similar
Patterns - AS
Computer Science - Management Information Systems - AS

Certificates Embedded in Program:

None

Assessment Plan for Following Five Years:

FY 2020 – FY 2024 (July 1, 2019 – June 30, 2024)

Faculty Who Prepared Plan:

Program Chair: Sara Mathew
Faculty: Dr. Haining Chen
Dr. John Goulden
Haifeng Ji
Jon McHenry

Date Submitted by Faculty:

November 16, 2018 – first version submitted for Academic Outcomes Assessment Committee
April 19, 2019 – revised version submitted to division dean for review

Division Dean:

John Claybon

Date Submitted by Dean:

May 3, 2019

II. Institutional Mission or End Statement Reference:

Institutional Mission:

OCCC provides broad access to learning that empowers students to complete a certificate or degree and that enriches the lives of everyone in our community.

ENDS

- Access: Our community has broad access to valuable certificate and degree programs, and non-credit educational opportunities and events.
- Student Success: Our students successfully complete their academic courses, persist in college and earn certificates or degrees at OCCC or another institution.
- Workforce Development: Our graduates earn higher-level degrees or are successful in technical and professional careers.
- Community Development: Our community's quality of life is enriched through our educational, artistic and recreational programs and events.

III. Program Learning Outcomes:

List all program learning outcomes for the program designated above. There should be 5-10 program learning outcomes total.

Under each outcome, list the measures. There should be at least 1 measure per outcome, but there can be up to 3 measures per outcome.

Indicate which outcome(s) will be assessed in each year of this plan. Only 1-3 outcome(s) should be assessed in a particular year.

All learning outcomes for this program will be assessed over the five-year cycle of this plan. Annual reports will evaluate only the outcome(s) designated for that year. The program review (or accreditation process for programs with external accreditation) will report on all program learning outcomes.

Outcome 1 (required):

Students will be able to use the decision control structure

Measure 1 (required): Assessment Quiz	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required): All students in CS2163 and CS2453
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 1 will be assessed (required):

2019

Outcome 2 (required):

Students will be able to demonstrate parameter passing

Measure 1 (required): Assessment Quiz	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required): All students in CS2163 and CS2453
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Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 2 will be assessed (required):

2020

Outcome 3 (required):

Students will be able to show the use of input and output

Measure 1 (required): Assessment Quiz	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required): All students in CS2163 and CS2453
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
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Year Outcome 3 will be assessed (required):

2021

Outcome 4 (required):

Students will be able to manipulate arrays

Measure 1 (required): Assessment Quiz	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required): All students in CS2163 and CS2453
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 4 will be assessed (required):

2022

Outcome 5 (required):

Students will be able to apply OOP principles

Measure 1 (required): Assessment Quiz	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required): All students in CS2163 and CS2453
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 5 will be assessed (required):

2023

(Only 5 outcomes are required. Additional outcomes from 6 through 10 are available if needed.)

Outcome 6:

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Measure 1 (required):	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required):
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 6 will be assessed (required):

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Outcome 7:

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Measure 1 (required):	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required):
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 7 will be assessed (required):

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Outcome 8:

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Measure 1 (required):	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required):
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 8 will be assessed (required):

Outcome 9:

Measure 1 (required):	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required):
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Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:
Measure 3:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Year Outcome 9 will be assessed (required):

Outcome 10:

Measure 1 (required):	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect (required)	Anticipated Target (required):
Measure 2:	<input type="checkbox"/> Direct <input type="checkbox"/> Indirect	Anticipated Target:

Any CS course can be taken as a CS elective, and all CS courses will address at least one of the listed outcomes.

Legends used :

Program Curriculum: Computer Science: Associate in Science

Options :

Computer Science - Management Information System (MIS)

Computer Science - Computer Science Transferring to UCO(C_UCO)

Computer Science - Software Development Transferring to OU (C_OU)