Weber State University Annual Assessment of Evidence of Learning

Cover Page

Department/Program: Bachelor of Integrated Studies (BIS)

Academic Year of Report: 2016-2017 Date Submitted: December 4, 2017 Report author: Dr. Michael E. Cena

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A. Brief Introductory Statement:

Please review the Introductory Statement and contact information for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if this information is current, please indicate as much. No further information is needed. We will indicate "Last Reviewed: [current date]" on the page. If the information is not current, please provide an update:

This information is current and accurate.

B. Mission Statement

Please review the Mission Statement for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if it is current, please indicate as much; we will mark the web page as "Last Reviewed [current date]". No further information is needed.

This information is correct.

If the information is not current, please provide an update:

C. Student Learning Outcomes

Please review the Student Learning Outcomes for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if they are current, please indicate as much; we will mark the web page as "Last Reviewed [current date]". No further information is needed.

These are current.

If they are not current, please provide an update:

Measureable Learning Outcomes

At the end of their study at WSU, students in this program will:

- 1) ...
- 2) ...
- 3) ... etc.

D. Curriculum

Please review the Curriculum Grid for your department displayed on the assessment site:

http://www.weber.edu/portfolio/departments.html - if it is current, please indicate as much; we will mark the web page as "Last Reviewed: [current data]". No further information is needed.

If the curriculum grid is not current, please provide an update:

The curriculum Map as posted on the web is current and correct.

Curriculum Map

	Department/Program Learning Outcomes						
Core Courses in Department/Program	Learning Outcome 1	Learning Outcome 2	Learning Outcome 3	Learning Outcome 4	Etc		

 $Note^a$: Define words, letters or symbols used and their interpretation; i.e. 1= introduced, 2 = emphasized, 3 = mastered or I = Introduced, E = Emphasized, U = Utilized, A = Assessed Comprehensively; these are examples, departmental choice of letters/numbers may differ

Note^b: Rows and columns should be transposed as required to meet the needs of each individual department

Additional Information (if needed)

E. Assessment Plan

Please review the Assessment Plan for your department displayed on the assessment site: http://www.weber.edu/portfolio/departments.html - if the plan current, please indicate as much; we will mark the web page as "Last Reviewed [current date]". No further information is needed. If the plan is not current, please provide an update:

This information is correct and current.

The site should contain an up-to-date assessment plan with planning going out a minimum of three years beyond the current year. Please review the plan displayed for your department at the above site. The plan should include a list of courses from which data will be gathered and the schedule, as well as an overview of the assessment strategy the department is using (for example, portfolios, or a combination of Chi assessment data and student survey information, or industry certification exams, etc.).

This information is correct and current.

F. Report of assessment results for the most previous academic year:

There are a variety of ways in which departments can choose to show evidence of learning. This is one example. The critical pieces to include are 1) what learning outcome is being assessed, 2) what method of measurement was used, 3) what the threshold for 'acceptable performance' is for that measurement, 4) what the actual results of the assessment were, 5) how those findings are interpreted, and 6) what is the course of action to be taken based upon the interpretation.

Evidence of Learning within the BIS Major (Figure 1 — Outcome/Assessment Plan and Use of Results).

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
Learning Outcome 1: The BIS student will demonstrate knowledge in three academic disciplines.	Measure 1: minimum grade of C (C- in chemistry) required to pass BIS grade requirements.	Measure 1: BIS Department secretary and Director monitors students' grades. Students not receiving Cs or better are informed in writing they need to retake the course and pass with a C minimum.	Measure 1: This practice has resulted in enforcing minimum grade standards in BIS academic areas.	Measure 1: No changes needed at this time.
	Measure 2: Use of disciplinary	Measure 2: BIS Director works with	Measure 2: This practice has resulted	Measure 2: Capstone Scoring
	knowledge is assessed with	capstone committee faculty to score this knowledge on	in higher integration of academic core knowledge in	Rubric language was modified slightly to help

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
	Capstone Scoring Rubric.	Capstone Scoring Rubric. Summary sheets are collected and filed by BIS Department secretary.	capstone preparation and capstone project defenses.	committee members to assign values to these outcomes.
Learning Outcome 2: The BIS student will demonstrate critical thinking skills.	Measure 1: Use of critical thinking skills is assessed with Capstone Scoring Rubric.	Measure 1: BIS Director works with capstone committee faculty to score critical thinking performance on Capstone Scoring Rubric. Summary sheets are collected and filed by BIS Department secretary.	Measure 1: This practice has resulted in demonstration of critical thinking skills in capstone preparation and capstone project defenses.	Measure 1: Capstone Scoring Rubric language was modified slightly to help committee members to assign values to these outcomes.
Learning Outcome #3: The BIS student will use appropriate research skills for one or more disciplines.	Measure 1: Use of research skills is assessed with Capstone Scoring Rubric.	Measure 1: BIS Director works with capstone committee faculty to score research methodology on Capstone Scoring Rubric. Summary sheets are collected and filed by BIS	Measure 1: This process has helped academic faculty teach and support appropriate research skills in both BIS academic course legs as well as in BIS Capstone Project.	Measure 1: BIS 3800 content now includes a discussion on the role of Stewart Library bibliographers to help with research. The BIS Director meets and walks BIS students to

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
		Department secretary.	Some students have report difficult integrating research skills into their Capstone Projects	reference desks to help students find bibliographers' offices.
Learning Outcome #4:	Measure 1: For admissions to BIS program, candidates	Measure 1: The BIS department secretary organizes	Measure 1: This process has required BIS students to	Measure 1: No changes needed at this time
The BIS Student will demonstrate organizational and	must: (1) enter with a minimum 2.5 GPA, (2) meet with	and monitors BIS academic files with advising notes,	maintain minimum GPA standards, meet with academic	
time management skills necessary for completing the	academic advisors in their three content-area legs to	contract archives, and the BIS director uses a check- list	advisors, plan courses or study, and be more	
coursework contract and	determine courses of student, and (3)	upon candidate admission to insure admissions	intentional in owning their academic success.	
capstone.	submit signed academic contracts to BIS secretary as part of BIS program application process.	standards and protocols are met.	academic success.	
	Measure 2: the BIS student, department secretary, and BIS	Measure 2: The BIS Department	Measure 2: CatTracks is <i>very</i> helpful for students,	Measure 2: No changes needed at this time
	Director using Weber's CatTracks Advisement Tool monitor The BIS student's progress.	secretary prints off CatTracks tool for every BIS student every time students are advised on their	advisors, and the BIS director to plan and implement course and capstone completion.	

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
Dear ming outcome	Tricusur ement	Concettu	1 manigs	Results
		progress. The Department keeps accurate records on when and how students are advised with their BIS progress. Students are requested to visit with BIS advisors at least once a year for progress monitoring.		
Outcome #5	Measure 1: BIS	Measure 1: The BIS	Measure 1:	Measure 1: No
	academic contracts	Department	Academic contracts	changes needed at
The BIS student	are used to help	secretary regularly	force students to be	this time
demonstrates an	students make	updates academic	proactive in meeting	
ability to synthesize three	connections with key academic	faculty/advisor lists with participating	with faculty/advisors.	
academic	faculty/advisors	BIS academic	Identifying key	
disciplines into an	who will teach,	departments to help	faculty mentors is	
integrated	advise, and serve on	insure BIS students	essential for a	
program.	BIS capstone committee.	know whom to contact for their	quality Capstone Experience.	
		academic legs. These contacts are reviewed with BIS students during admissions,		

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
		progress monitoring visits, and as part of BIS 3800.		
	Measure 2: Quality and level of academic synthesis is assessed with Capstone Scoring Rubric.	Measure 2: The BIS Director works with capstone committee faculty to score academic synthesis performance on Capstone Scoring Rubric. Summary sheets are collected and filed by BIS Department secretary.	Measure 2: Nuances revealed by Capstone Scoring Rubric assist faculty with evaluating capstone project academic synthesis.	Measure 2: No changes needed at this time.
Outcome #6:	Measure 1: The BIS student creates a life	Measure 1: Final grades in BIS 3800	Measure 1: This area (life action	Measure 1: During the 2013-2014 year,
The BIS student	action plan as a	are based, in part,	plans) was listed as	BIS advisors met
makes plans for	course assignment	on the quality of the	a weakness in the	with Pat Wheeler in
the next step,	for BIS 3800.	life action plan	BIS Five-year	the WSU Career
either in a			report. Following	Services Office to
particular career or graduate			the advice of the report, this program	discuss BIS student counseling, methods
program.			component needs to	of creating stronger
brogram.			be strengthened.	career/life plans and
				ideas for data
			Measure 2: A more	collection regarding
			precise measure is	BIS graduation

Measurable Learning Outcome	Method of Measurement	How data are collected	Interpretation of Findings	Action Plan/Use of Results
			needed to track BIS graduate placements through WSU career services.	placements. During Academic Year 2014-2015, BIS 3800 included a seminar with Pat Wheeler who demonstrated how to register and use WSU career services.
				Measure 2: BIS advisors are reviewing data collection protocols as a pilot study to improve how student placement data will be reviewed and used.

Evidence of Learning within the BIS Major (Figure 2 — Capstone Project Scoring Rubric results)

n=39 defenders (i.e. BIS 4800 completers) 2014-2015 (percentages may not add to 100% due to rounding)

Indicator	4s	3.5s	3s	2.5s	2s	1.5s	1s	0s
Interdisciplinary Work								
Target: The student	14 (36%)	4 (10%)	15 (38%)	4 (10%)	2 (5%)	0 (0%)	0 (0%)	0 (0%)
makes multiple								
connections and conclusions across three								
disciplines								
Nature of Capstone								
project Target: The								
Student Identifies an	17 (49%)	4 (10%)	9 (23%)	5 (13%)	2 (5%)	0 (0%)	0 (0%)	0 (0%)
issue, topic, or creative	,	, ,	, ,	, ,	, ,	, ,		, ,
process and creates a								
capstone experience that								
shows a depth of								
understanding, learning,								
and involvement.								
Knowledge, Skill, and								
Research Base	11/200/	7 (100()	11 (2004)	2 (00)	C (150()	0 (00()	1 (20()	0 (00()
Target: The student	11(28%)	7 (18%)	11 (28%)	3 (8%)	6 (15%)	0 (0%)	1 (3%)	0 (0%)
effectively uses,								
synthesizes, and reports key research theory.								
Methods								
Target: The student								
identifies and	16 (41%)	6 (15%)	15 (348%)	1 (3%)	1 (3%)	0 (0%)	0 (0%)	0 (0%)
implements robust		,		(=)	(=)	(1.1)	(= (= , = ,	- ()
methods for								
studying/creating a								
powerful capstone								
project.								

Analyses, Conclusions, and/or Results Target: She student analyzes, summarizes, or creates artifacts that demonstrate superior learning and/or creativity.	13 (33%)	5 (13%)	13 (33%)	4 (10%)	4 (10%)	0 (0%)	0 (0%)	0 (0%)
Grammar, Syntax, and Mechanics Target: The Capstone Project reflects highly skilled and cohesive writing of superior quality.	14 (36%)	2 (5%)	15 (38%)	2 (5%)	5 (13%)	0 (0%)	0 (0%)	0 (0%)
New this reporting period: High Impact Practices Pilot Standard (AAC&U, 2015) n=37	19 (49%)	2 (5%)	11 (28%)	2 (5%)	3 (8%)	0 (0%)	0 (0%)	0 (0%)

Figure 3. Threshold of 80% Performance achievement (3s and 4s) by BIS standard (n=39 defenders, i.e. BIS 4800 completers)

Percentage of 3 and 4 scores by Standard by percent	Interdisciplinary Work	Nature of Capstone project	Knowledge, Skill, and Research Base	Methods	Analyses, Conclusions, and/or Results	Grammar, Syntax, and Mechanics	NEW AAC&U High Impact Practices N=37
	33	30	29	31	31	32	32
Has the 80% Threshold been met?	84%	77%	74%	80%	80%	82%	86%

Figure 4. BIS Program Student Demographics 2012-2016

BIS Declared Majors by Ethnicity:

	Fall 2013	Fall 2014	Fall 2015	Fall 2017
African-American	N<10	N<10	N<10	N<10
Asian/Pacific Islander	N<10	N<10	N<10	N<10
Caucasian	152	123	125	118
Hispanic	20	15	12	11
Native American	N<10	N<10	N<10	N<10
Unknown	21	12	22	18

BIS Declared Majors by Gender:

	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2017
Females	115	80	93	94	
Males	99	88	79	75	

BIS Concentration areas 2016-2017

AAS	5
Anthropology	1
ASL/DATC	0
ART	4
Art History	0
Automotive Technology	1
Botany	2
Business Admin	16
Business/Multimedia Tech	0
Chemistry	2

Coaching Sport	1
Communication	8
Computer Science	5
Construction Management	12
Criminal Justice	10
Dance	0
DATC Cert	0
Design Engineering Tech	14
Economics	0
Education	1
Electronics Engineering Tech	1
Emergency Care & Rescue	0
English	3
Entrepreneurship	7
Environmental Studies	1
European Studies	0
Exercise Science	0
Family Studies	14
Foreign Language	0
Geography	1
Geology	1
Geospatial Analysis	0
Gerontology	0
German	0
Health Admin	5
Health Promotion	11
Health Sciences	3
History	0
Honors	0
Information Systems and Tech	1
Interior Design	9
International Politics	0

Japanese	2
Latin American Studies	1
Legal Studies	2
Linguistics	1
Manufacturing Engineering Tech	1
Math	1
Microbiology	0
Military Science	1
Music	4
Network Management Tech	1
Neuroscience	0
Nutrition	12
Outdoor Recreation	2
Philosophy	1
Physics	1
Political Science	3
Professional Sales	4
Professional/Technical Writing	0
Psychology	5
Public Admin	0
Radiography	1
Recreation	2
Social Work	1
Sociology	5
Spanish	4
Urban/Regional Planning	1
User Experience Design	2
Women and Gender Studies	1
Zoology	5

G. Summary of BIS Artifact Collection Procedure

Artifact	Learning Outcome Measured	When/How Collected?	Where Stored?
1. Student advisement sheets and	1. Provides data regarding	Each time a BIS student	Physical copies are
admissions checklists	outcomes 2, 4, & 5.	enters the program,	filed in BIS office.
		participates in progress	
		monitoring, and prepares	
		for graduation.	
2. WSU Crystal and CatTracks Reporting	1. Provides data for outcomes 1,	Updated on a regular	Electronic format
Systems	5, and 6.	basis as Weber personnel	retrievable through
		interact with students,	Weber's secure access.
		submit grades, etc.	
3. Capstone Project Scoring Rubrics	1. Provides data regarding BIS	Collected during BIS	Physical copies are
	Program Outcomes 2 & 3.	students' capstone	filed in BIS office.
		project experience during	
		project defense.	
4. Signed BIS academic contracts	1. Provides data regarding	Collected upon students'	Physical copies are
	outcomes: 1, 4, 5.	admissions to the BIS	filed in BIS office.
		program.	Upon admissions, BIS
			students are provided
			with copies of their
			contracts and
			admissions advisement.

Please respond to the following questions.

1) Reflecting on this year's assessment(s), how does the evidence of student learning impact your faculty's confidence in the program being reviewed; how does that analysis change when compared with previous assessment evidence?

BIS program data support the conclusion that the capstone project experience consistently produces BIS graduates who demonstrate mastery in the five of the seven BIS program outcomes. A 80% threshold has been met in five of the BIS program indicators; however, data for AY 2016-2017 revealed that Program indicators "Nature of the Capstone" and "Knowledge, Skills, and Research Base" and need improvement. Although data are not at the 80% threshold in these areas, averages of 3

and 4 are at 77 and 74% respectively. Data also reveal that BIS faculty members consistently rate capstone projects are being mostly of high to very high quality. Evidence supports that BIS students receive quality mentoring and advising as they proceed through the BIS experience. The most important thing that has changed since the last assessment report was the inclusion of a High Impact Standards based on definitions from the American Association of Colleges and Universities (AAC&U).

AY 2016-2017 served as a pilot year for the additional AAC&U Standard.

2) With whom did you share the results of the year's assessment efforts?

These data will be presented to the BIS Program Advisory Council during our next meeting Spring 2018 for member input. Copies of scoring rubrics have been posted on the BIS website so students become more familiar with their use.

Capstone Project Scoring Results will be posted on the Department's website (weber.edu/bis) for student, advisor and faculty use.

3) Based on your program's assessment findings, what subsequent action will your program take?

Based on 2016-2017 data, the following action steps are needed:

- (1) The Department is moving to incorporate recommendations from our 5-Year Campus report.
- (2) Added emphasis will be placed on improving the "Nature of the Capstone" and "Knowledge, Skills, and Research Bases"." To improve these, the BIS Program director will create Capstone open hours from 3:00 4:00 p.m. each Tuesday and Thursday. BIS 3800 and 4800 students will be required to attend at least 4 of these sessions prior to defense.

Appendix B

Please provide the following information about the full-time and adjunct faculty contracted by your department during the last academic year (summer through spring). Gathering this information each year will help with the headcount reporting that must be done for the final Five Year Program Review document that is shared with the State Board of Regents.

Faculty	
Headcount	2
With Doctoral Degrees (Including MFA and	
other terminal degrees, as specified by the	
institution)	
Full-time Tenured	1
Full-time Non-Tenured (includes tenure-track)	
Part-time	1
With Master's Degrees	
Full-time Tenured	
Full-time Non-Tenured	
Part-time	1
With Bachelor's Degrees	
Full-time Tenured	
Full-time Non-tenured	
Part-time	
Other	
Full-time Tenured	
Full-time Non-tenured	
Part-time	
Total Headcount Faculty	2
Full-time Tenured	1
Full-time Non-tenured	